JOHNS-MANVILLE
JM
PRODUCTS

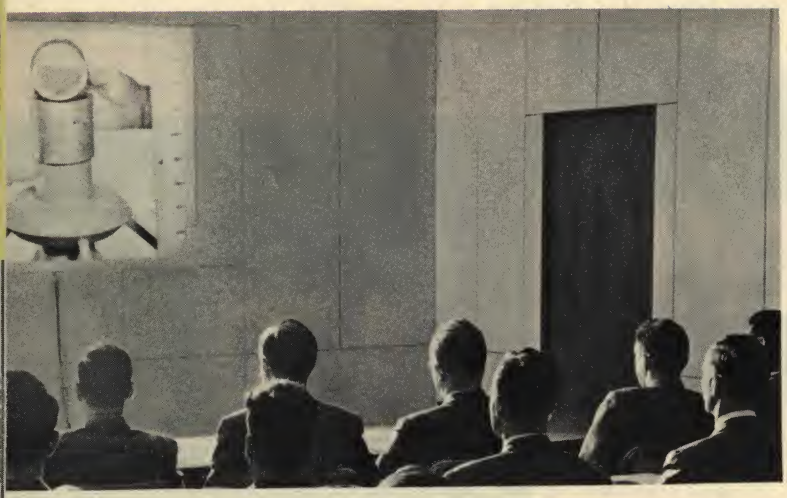
Johns-Manville

ASBESTOS *movable walls*

A.I.A. File No. 35-H-6

1960

a JOHNS-MANVILLE JM PRODUCTS movable wall .....



Above—The picture screen is within the Imperial Movable Walls of this modern meeting room. Such installations can be accomplished economically using only standard elements.
Below—Covering the panels with fabric and building in a handsome break-front type bookcase, gives the Johns-Manville movable walls of this executive office a traditional look.

Above—Slender alcoves, glass areas to the floor and an exceptionally high ceiling are some of the features of this dignified and spacious interior built in rapid time with Imperial Movable Walls.
Below—This rigid and solid yet movable warehouse partition is built with Imperial Wall units. They provide the fire protection and durability required for this utilitarian installation.

. . . for any building requirement

Left—By the simple device of placing the panels horizontally, the architect gave this side of the Imperial partition a different appearance from the other side of the partition where the panels are used vertically. This is one inexpensive way of gaining variation among adjoining rooms.
Below—Another possible way for varying room decoration is to use paint or veneers both of which were employed in this room partitioned with Class A Movable Walls. The right side was painted a deep but vivid hue. The intersecting side was given a thin veneer of exotic wood.

Left—In laboratories, industrial or scholastic, asbestos panels assure essential safety and resistance. The entire Imperial Wall assembly can be quickly altered to suit new piping, new equipment or new space arrangements.

Right—The long, floor-to-ceiling Imperial Wall in this lobby for an advertising agency serves as a display space where current work is placed between channels fastened to the wall. (Since this is a flush wall there is no interference for such attachments.) Also, at the right edge of the picture can be seen a section of Imperial Glazed Railing.

JOHNS MANVILLE JM PRODUCTS

Johns-Manville asbestos movable walls

These J-M movable walls are flush surfaced. They have the permanence of fixed walls yet they can be moved; they can be used and re-used without loss. All parts are interchangeable. Any section can be altered without affecting adjacent sections.

Color and pattern unlimited

For custom designs, these walls offer the greatest scope. They can be veneered with wood, leather, cork, metal or plastics. They can be covered with fabrics ranging from burlap to damask. They can be painted any color in the spectrum.

For standard designs, the stock color is a soft green. It is factory applied in a stippled finish that is as decorative as it is durable. And, on order, this finish is available in a wide range of other colors.

Plan and layout versatility

An aptitude for out-of-the-ordinary as well as conventional requirements is an advantage of asbestos movable walls. The solid panels, glazed panels, and door panels are offered in a range of dimensions that fit most situations. But, most important for versatility, the panels can be worked with wood-like ease and speed. Thus, special shapes and odd dimensions are never a problem. Such versatility can be of constant value—in the planning stages, on the job to meet unexpected conditions or sudden changes of mind, and, throughout the life of a building as walls are altered or relocated to satisfy shifting needs.

Quick assembly for early occupancy

J-M Movable walls are erected in a matter of hours compared with the days needed to build fixed walls. This ability to finish fast makes it possible to move in tenants sooner and starts an earlier return on the owner's investment.

Utility accessibility

Wiring and similar lines are easily reached by simply unsnapping a base unit or quickly removing a panel. Within minutes, mechanics can start work on repairs or additions.

Fire safety

All of the Johns-Manville walls are faced with fireproof asbestos materials. So, depending on cores, they have up to a 1-hr. fire rating, the top code requirements in most localities.

Sound control

The standard J-M walls help reduce sound transmission from room to room. Furthermore, the walls can be tailored to meet practically any acoustical requirement.

Prolonged service assured

Throughout years of service, the asbestos materials of these J-M walls stay durable, hard and mar-resistant. Washing and cleaning does not rust them or start other deterioration. The walls can be moved again and again without damage and with 100% re-use value.

Movability minus confusion

Because movable walls are "dry" in construction no dampness or debris are involved. Normal routines can continue as walls are altered or moved. Also, many changes can be completed over night or during a weekend.

Handling and storage

The elements which make up these walls are compact so they can be moved into and out of cramped storage space easily. They can be handled in passenger elevators when a shift means moving from floor to floor. And, when in storage, the few parts involved take up minimum area.

Maintenance made easy

The finish furnished on J-M walls is a tough, hard film many times thicker than the usual partition finish. It is scratch resistant, rejects soil and, if damaged, can be touched up inexpensively to look like new. Maintenance is reduced to a new low.

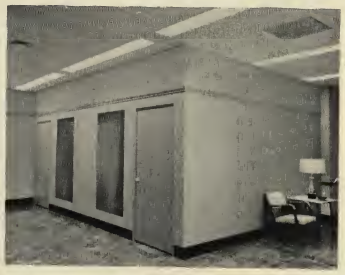
Responsible installation

J-M asbestos movable walls are sold and installed only by Johns-Manville or J-M Approved Contractors thoroughly trained in proved methods of installation. The services of an experienced J-M engineering staff are available to help with specific problems. Whether the job is large or small, each wall installation receives the benefits of Johns-Manville's long experience in the manufacture, installation and servicing of movable walls.

index

IMPERIAL MOVABLE WALLS
The most versatile of movable walls. Asbestos panels attached to slotted steel studs produce wall facings, partitions or screens to suit unusual or standard plans.

pages 6-17



CLASS A MOVABLE WALLS
A non-combustible core, asbestos faced on both sides forms interchangeable panels for free standing or floor-to-ceiling partitions.

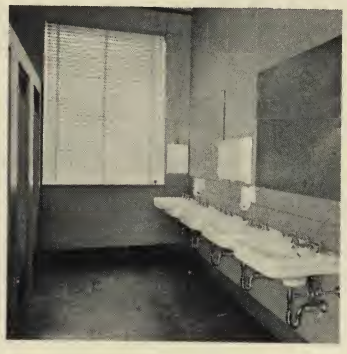
pages 18-21

UNIVERSAL MOVABLE WALLS
A wood core, asbestos faced on both sides forms interchangeable panels for free standing or floor-to-ceiling partitions.

pages 22-25

RAILINGS
Two types—Imperial or Universal—can be used with all three types of J-M movable walls.

pages 26-27



DOORS AND HARDWARE
Hollow steel or asbestos faced doors either solid or glazed.

TOILET COMPARTMENTS
Furnished with head rail or in suspended construction with necessary accessories.

page 28

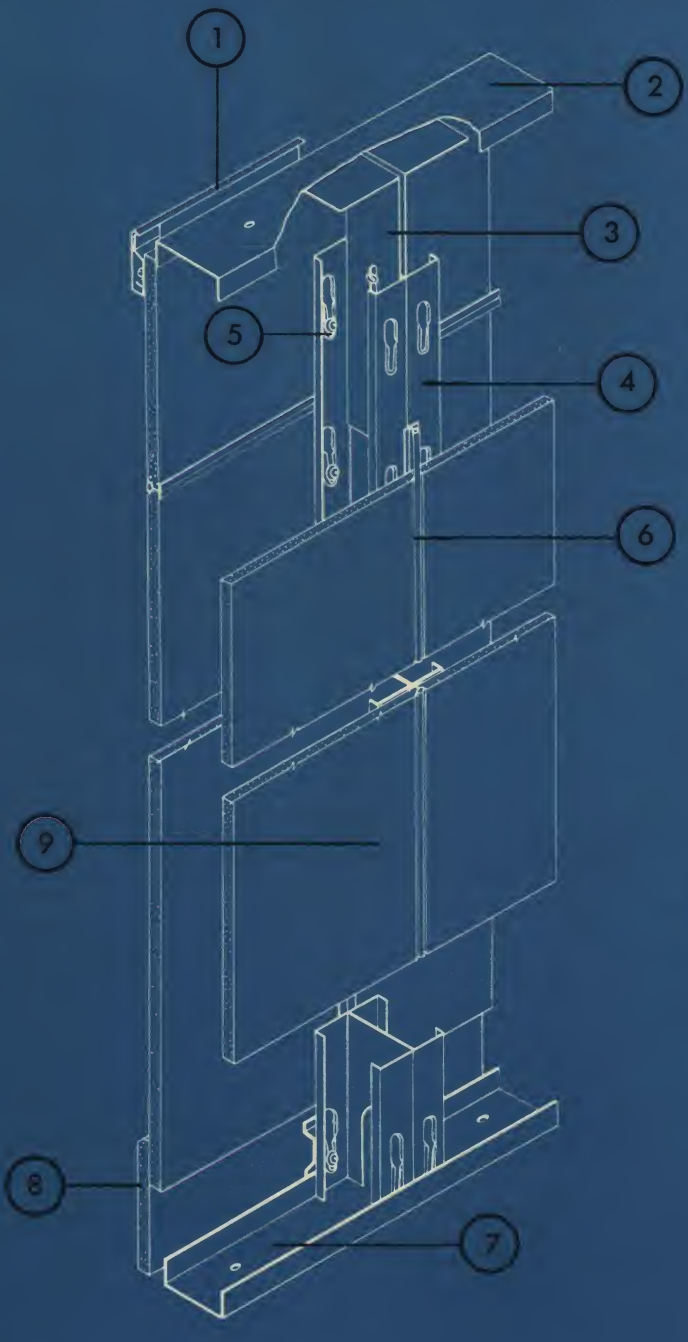
Johns-Manville

Imperial

The basic elements of Imperial Movable Walls are: asbestos panels in 2 types; steel studs with slots; and, a few simple auxiliary pieces. When combined, these elements produce interior walls and partitions that are flush-surfaced and can be finished to have ballroom elegance or can be strictly utilitarian. Imperial walls suit all standard interior plans or they can be adapted easily for one-of-a-kind designs. In all cases they are simple to assemble and can be dis-assembled and relocated within a few hours.

This office could be re-arranged tomorrow in surprisingly few hours, with little confusion and with complete re-use of materials.

IMPERIAL WALL ASSEMBLY



FEATURES

1—**Snap-on moulding**—Furnished in lengths of 10″, this is the standard top member although practically any type of moulding can be used.

2—**Ceiling channel**—Into these the studs are fitted. The channels are furnished in lengths of 10′ and are mechanically fastened to the ceiling.

3—**Stud extensions**—These are short steel units which are inserted in the end of studs to take up any variation in ceiling height.

4—**Studs**—Steel studs have "slots" to receive the "buttons" on the back of the asbestos panels. Stud lengths are in multiples of 6″; the web is 3″; the flanges measure 2½″ with a ⅜″ return.

5—**Buttons**—These patented spring fasteners on the back of the asbestos panels are spaced 18″ on center. The buttons drop into the slots in the studs. As the panel is forced downward, the buttons tighten on the slot edges and the spring holds the panel firmly against the stud. The buttons will take a direct pull of more than 200 lbs.

6—**Joint beads**—These metal beads are fitted between the panels as installation progresses. The flanges of the bead slip between the stud and the edges of the panels. The standard bead is flush with panel surfaces and of a matching color. Beads can be of a contrasting color or of a special design.

7—**Floor channel**—The bottom of the studs fit into these channels which are mechanically fastened to the floor. Channels come in 10′ lengths.

8—**Finish base**—The standard base is 6″ high. Clips along the back of the base panels fasten them securely to the studs. The base is easily removed for access to wiring or other service lines.

9—**Panels**—Johns-Manville offers two types. Both are 7/16″ thick. The panels are beveled on all four face edges unless otherwise specified. They can be supplied in any size up to 4′ wide by 10′ long. However, the 2′ or 4′ widths and the 8′ length are the most generally used.

Marinite panels—Made of asbestos fiber, diatomaceous silica and an inorganic binder, these panels are light in weight yet structurally strong and fireproof. The stock color is light green in a stippled finish. Other colors in the same finish available on order. Unfinished Marinite panels are available for special decoration such as wood veneers, enamel finishes, fabric coverings or wall papering.

Transite panels—Made of asbestos and cement, these fireproof panels are strong, rugged and especially suited for heavy duty installation. The natural color is a light stone gray. No preservative treatment is required although the panels may be painted or otherwise decorated.

Window panels—For borrowed light or visual control, many plans call for glazed units. So, light frames made of hollow steel are stocked by Johns-Manville. The standard height is 42″; standard widths are 20″, 32″ and 44″ for use with 2′, 3′ and 4′ panels. But, the designer is not limited to those sizes since Imperial Walls can be detailed for small window panes or large floor to ceiling glass areas.

Panel erection can be varied—They can be installed either horizontally or vertically. Panels on one side of the wall can be different from the panels on the other side both as to finish and scheme of erection.

Ends, tees, ells and furring—For these locations "channel studs" are used. Lengths are in multiples of 6″; the web is 3″; flanges are 1¼″ with ⅜″ return at the edges. Also, "angle studs" are available. Lengths are in multiples of 6″; both flanges measure 1¼″ but only one flange is slotted. These are used with flat steel plates to make up special shapes to meet unusual job conditions.

Wall heights—Imperial Walls can be built to heights of 20′, 30′, 40′ and even higher if necessary.

Wall thickness and weight—The overall thickness of an Imperial partition is 3⅞″ and the weight is approximately 7 lbs per sq ft.

Doors and hardware—see pages 28-29.

Railings—see pages 26-27.

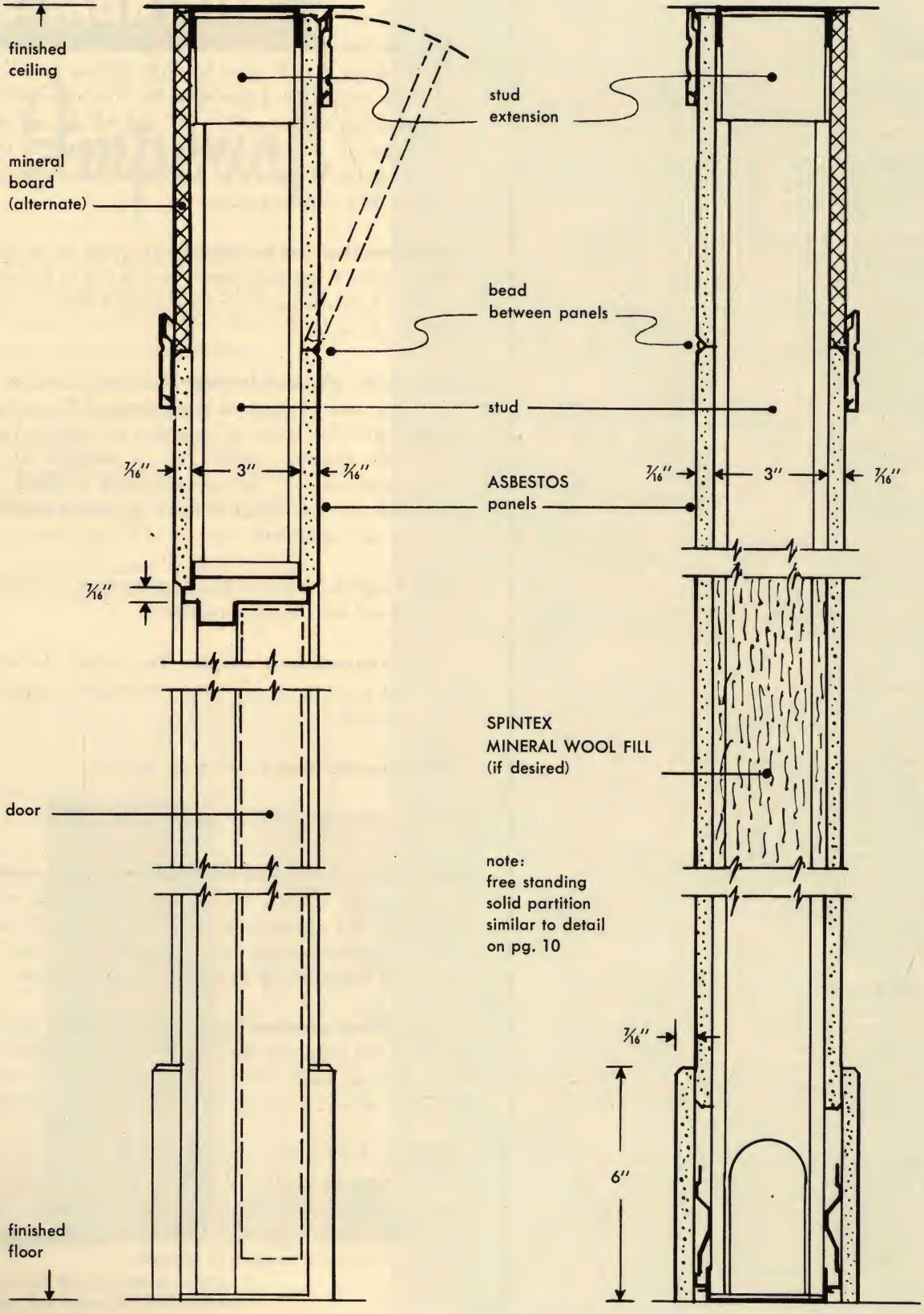
Bookcases, closets and other special requirements—Bookcases, closets, alcoves, wickets and similar requirements can be built using regular Imperial Wall elements and any fixtures can be screwed into the asbestos panels. Details are drawn up the same as they would be for any builder material.

Suggestions on assembly—Studs are usually spaced on 24″ centers and panels in the 4′ width have "buttons" down the center of the panels. For free standing partitions, when the run exceeds 16′ to 20′ a floor to ceiling brace is required.

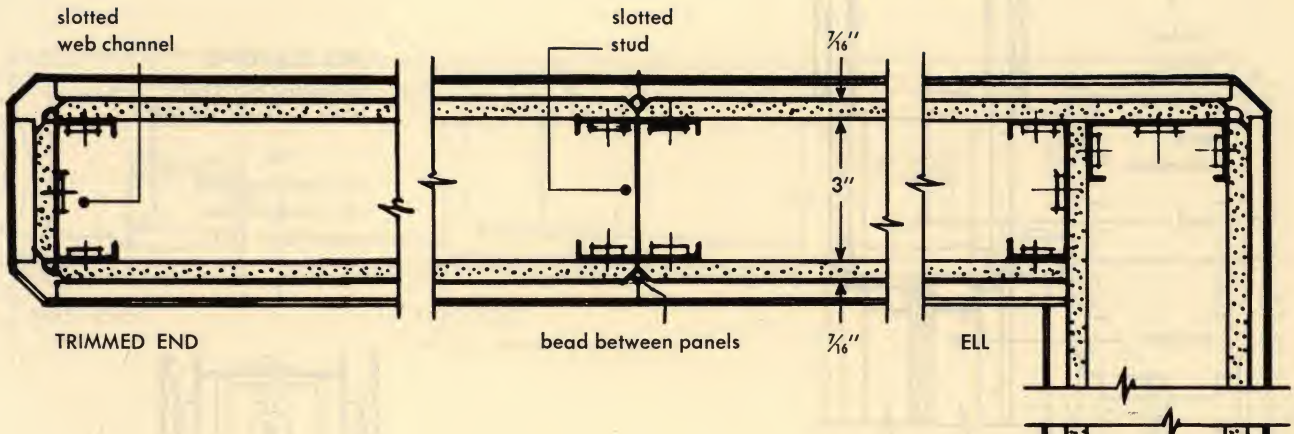
Wiring—Utility lines such as wiring can be run anywhere throughout the length and breadth of a wall or partition. Cuts for electrical outlets and other fittings are made on the job since the asbestos panels can be cut as easily as wood. Thus, there is complete freedom of location.

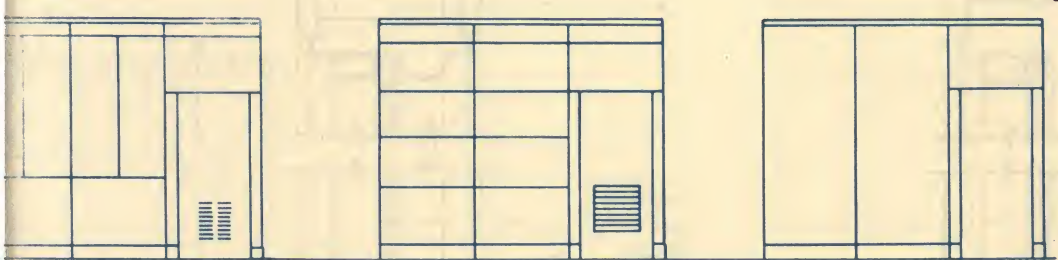
FLUSH PARTITIONS | scale: ¼ size

vertical sections

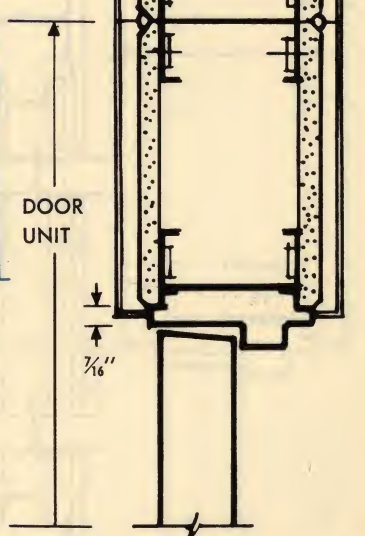


horizontal sections

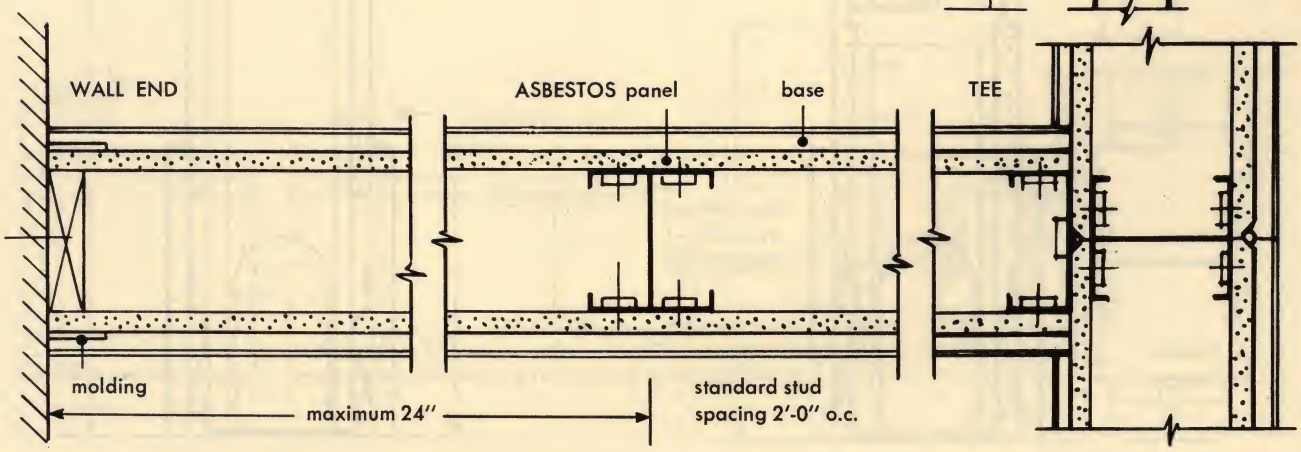




ELEVATIONS—USING SOLID PANELS



Note: For stock panel widths (solid or glazed) see page 7

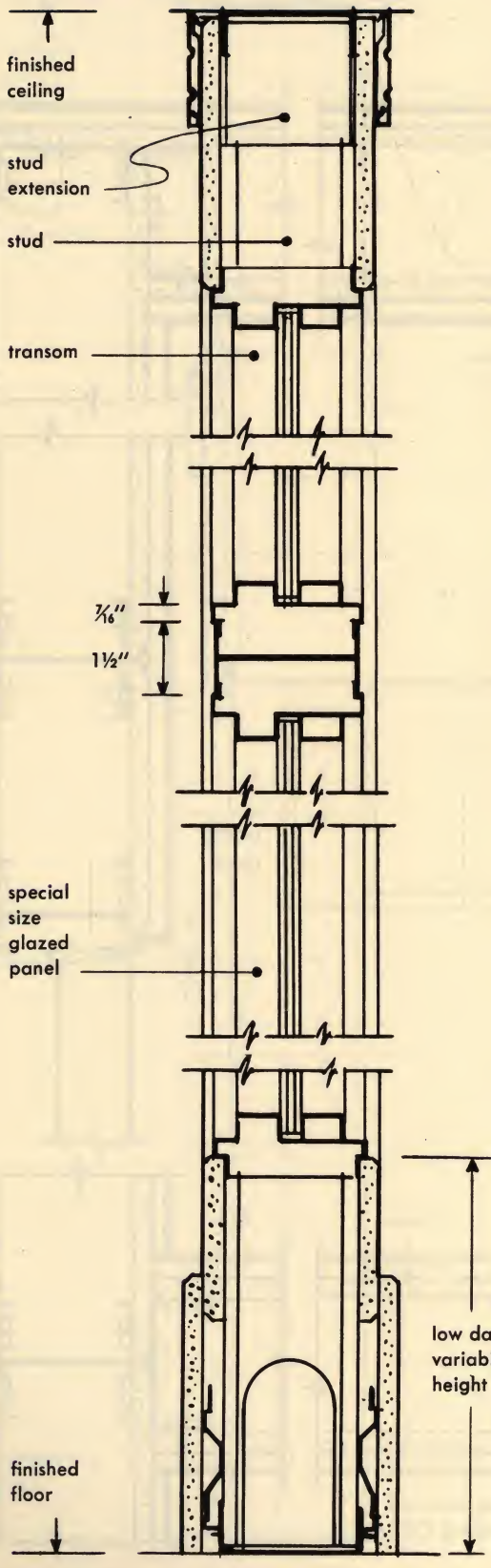


JOHNS-MANVILLE JM PRODUCTS

Imperial

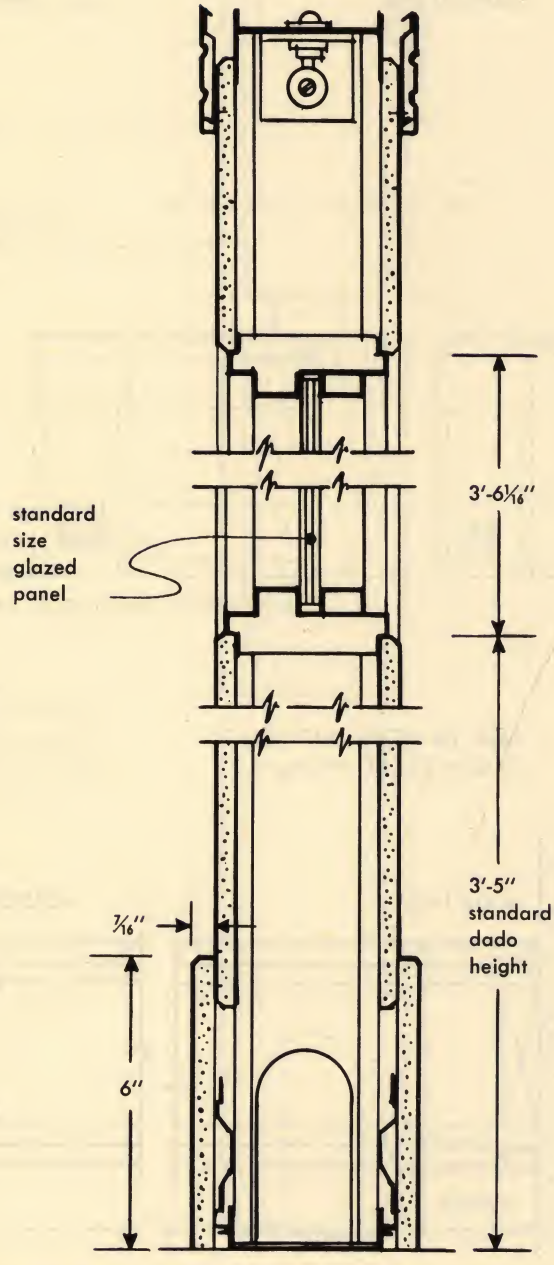
GLAZED PARTITIONS | scale: ¼ size

vertical sections

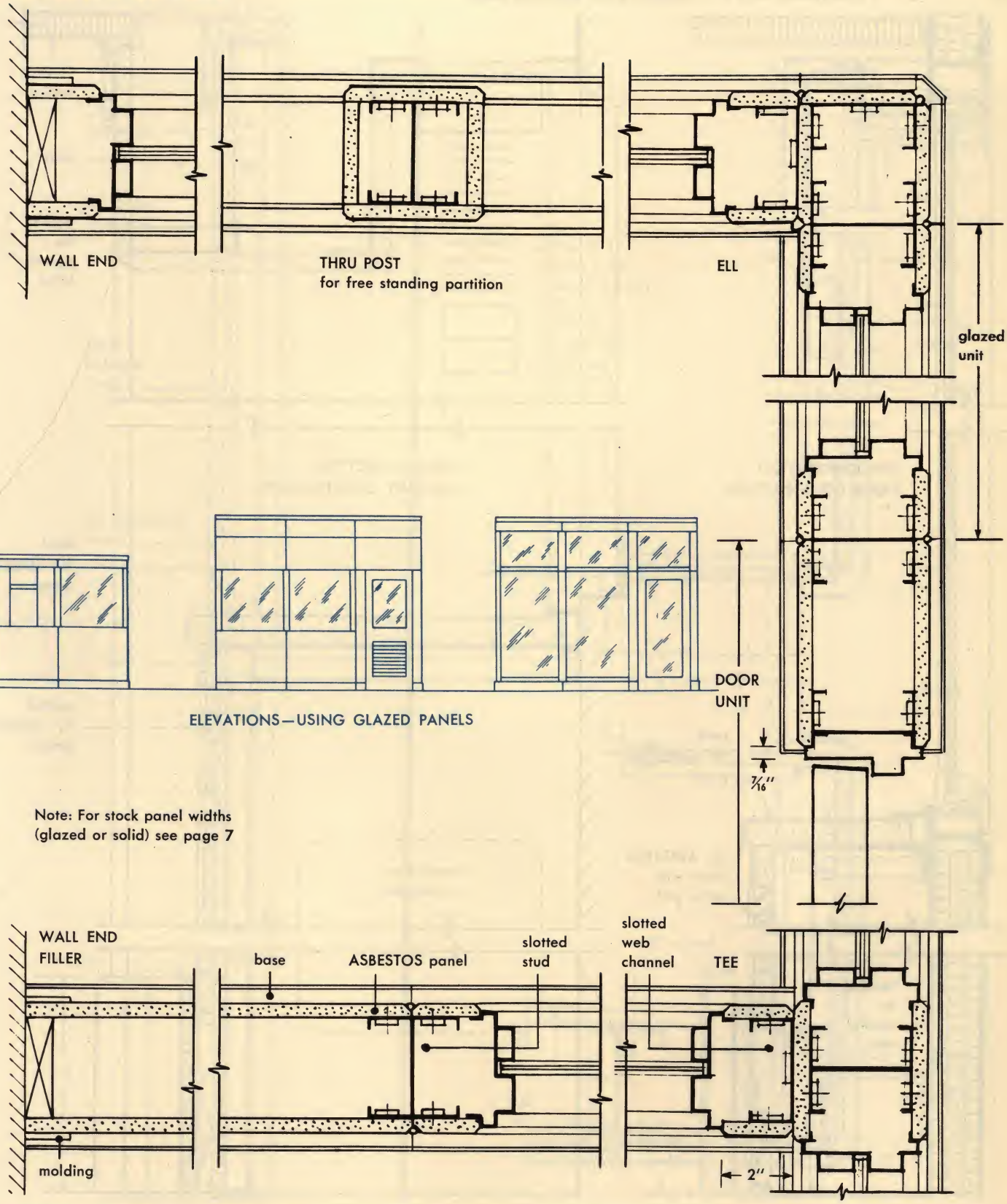


FREE STANDING GLAZED PARTITION
(solid partition similar)

thru post required on unbraced runs every 16 to 18 ft.



horizontal sections



ELEVATIONS—USING GLAZED PANELS

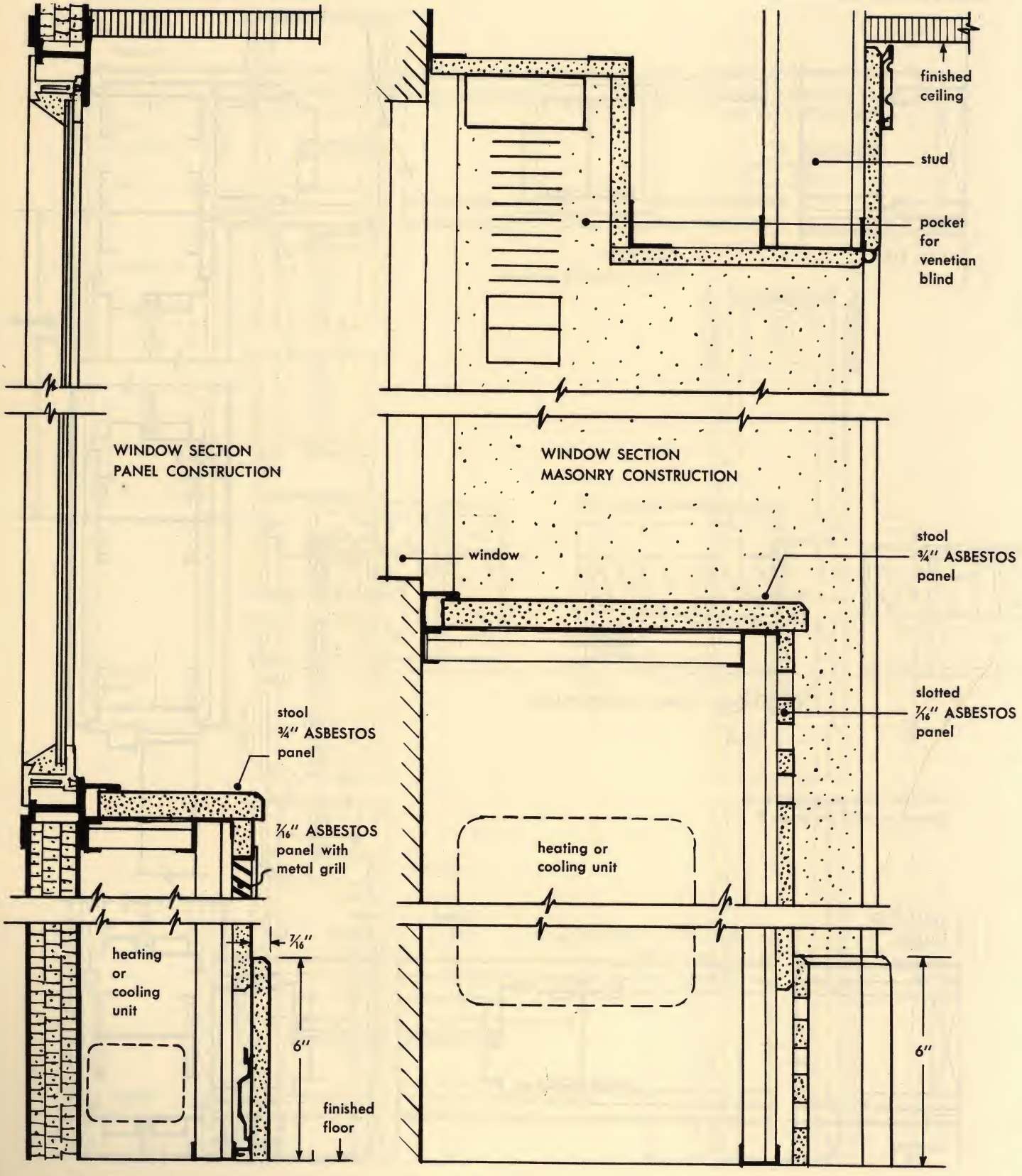
Note: For stock panel widths (glazed or solid) see page 7

JOHNS-MANVILLE JM PRODUCTS

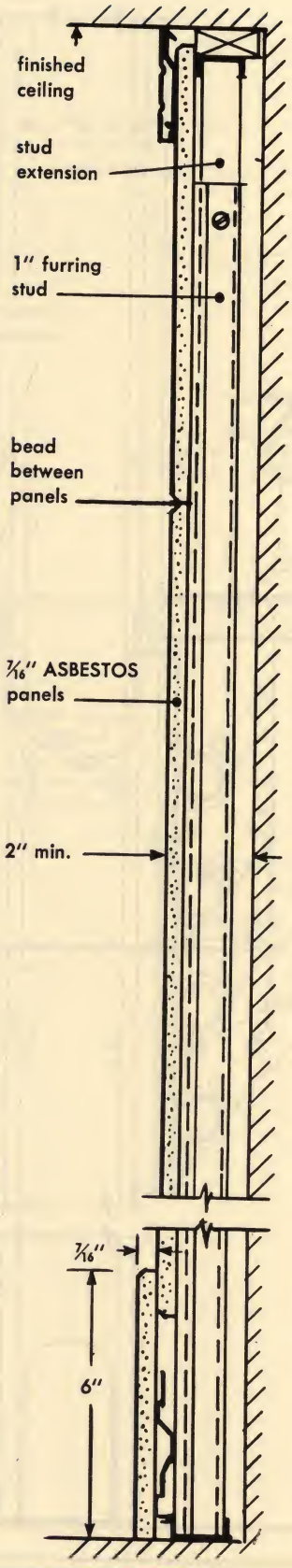
Imperial

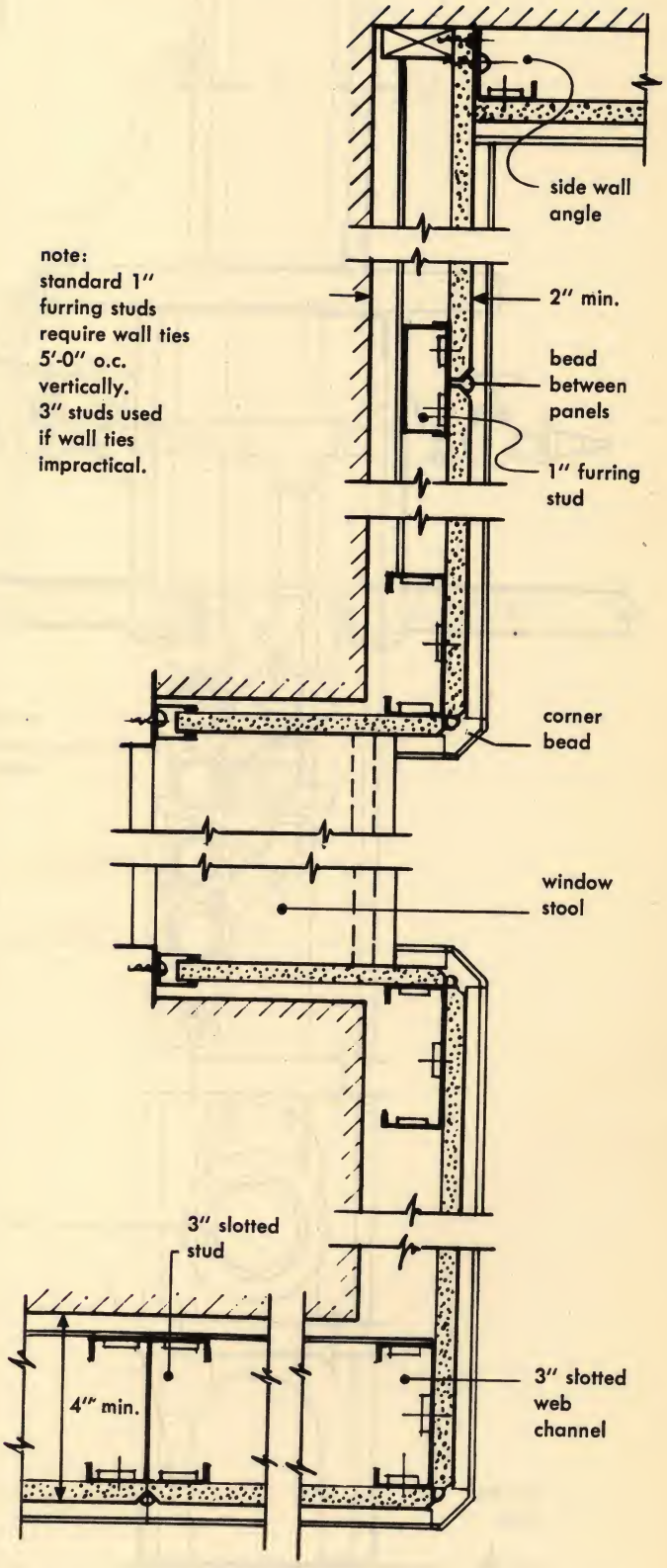
WALL FACINGS | scale: ¼ size

vertical sections



horizontal sections





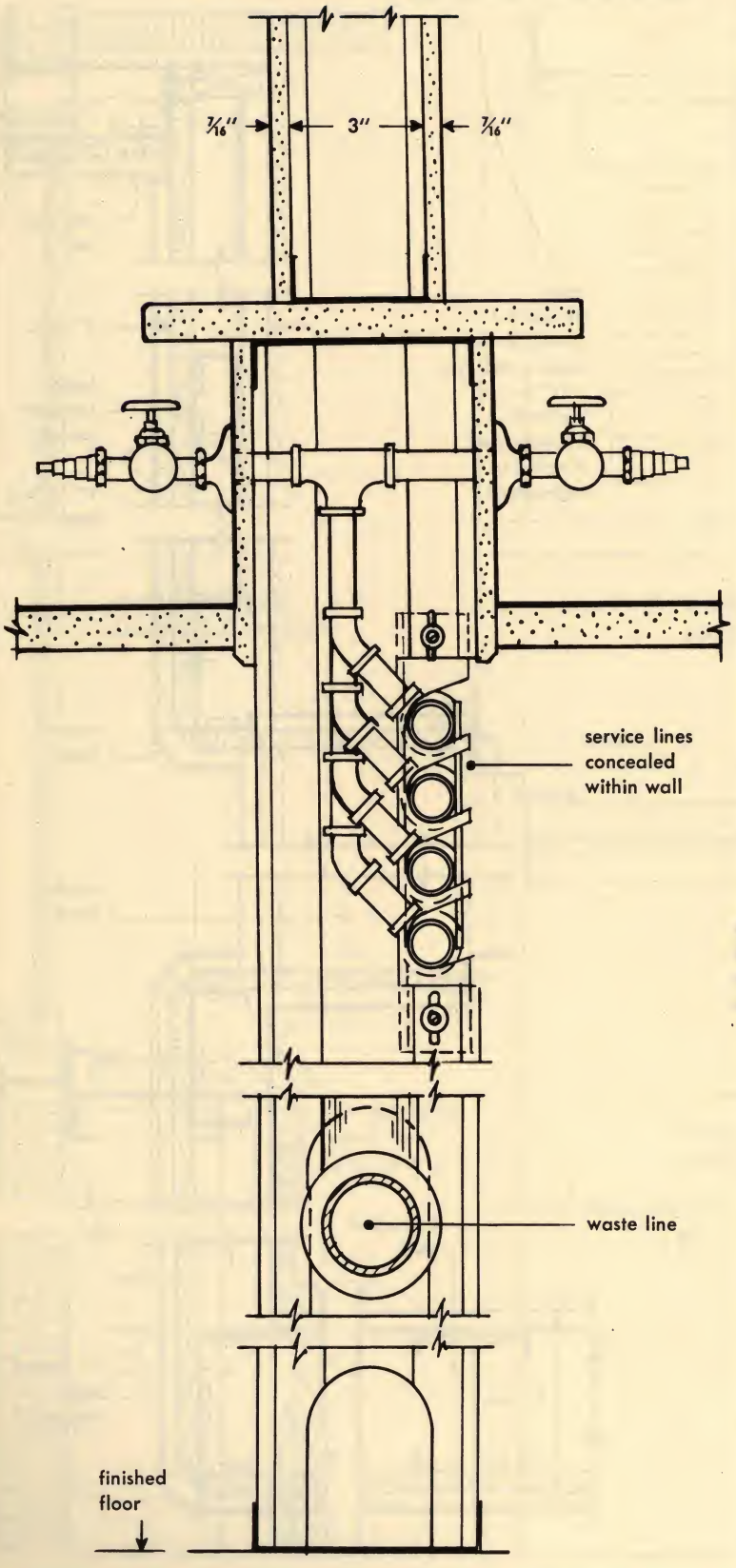
JOHNS-MANVILLE JM PRODUCTS

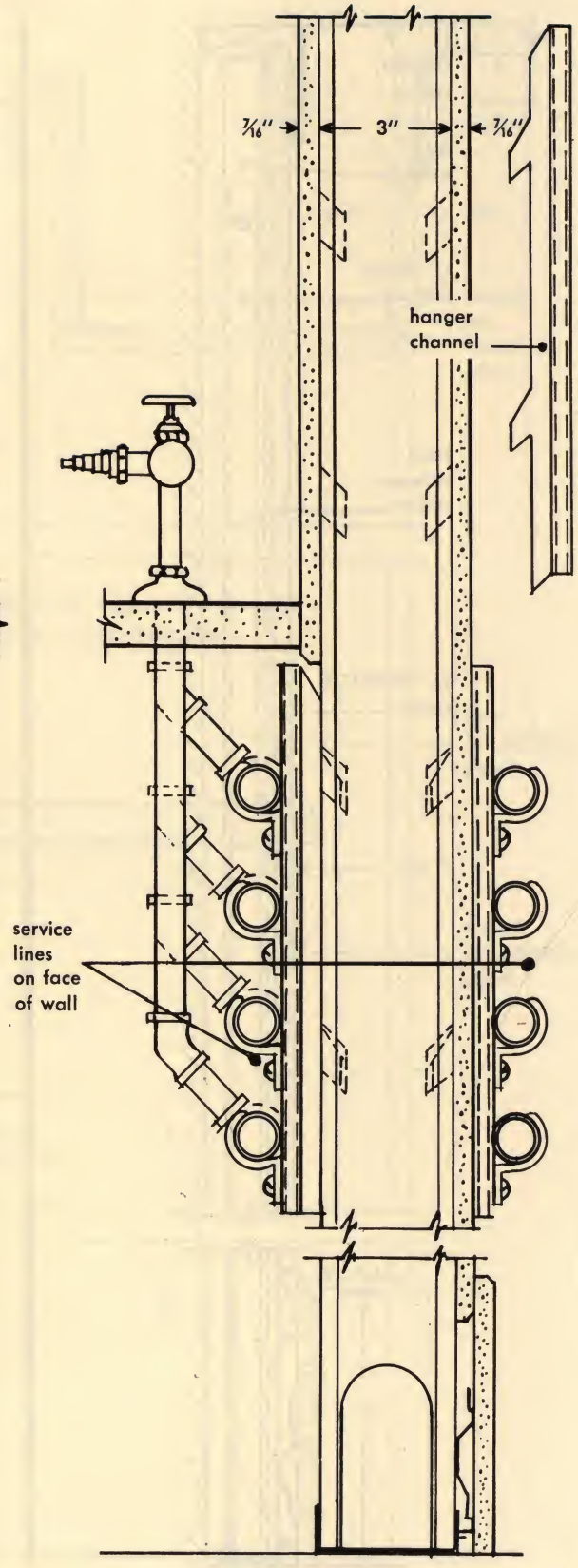
Imperial

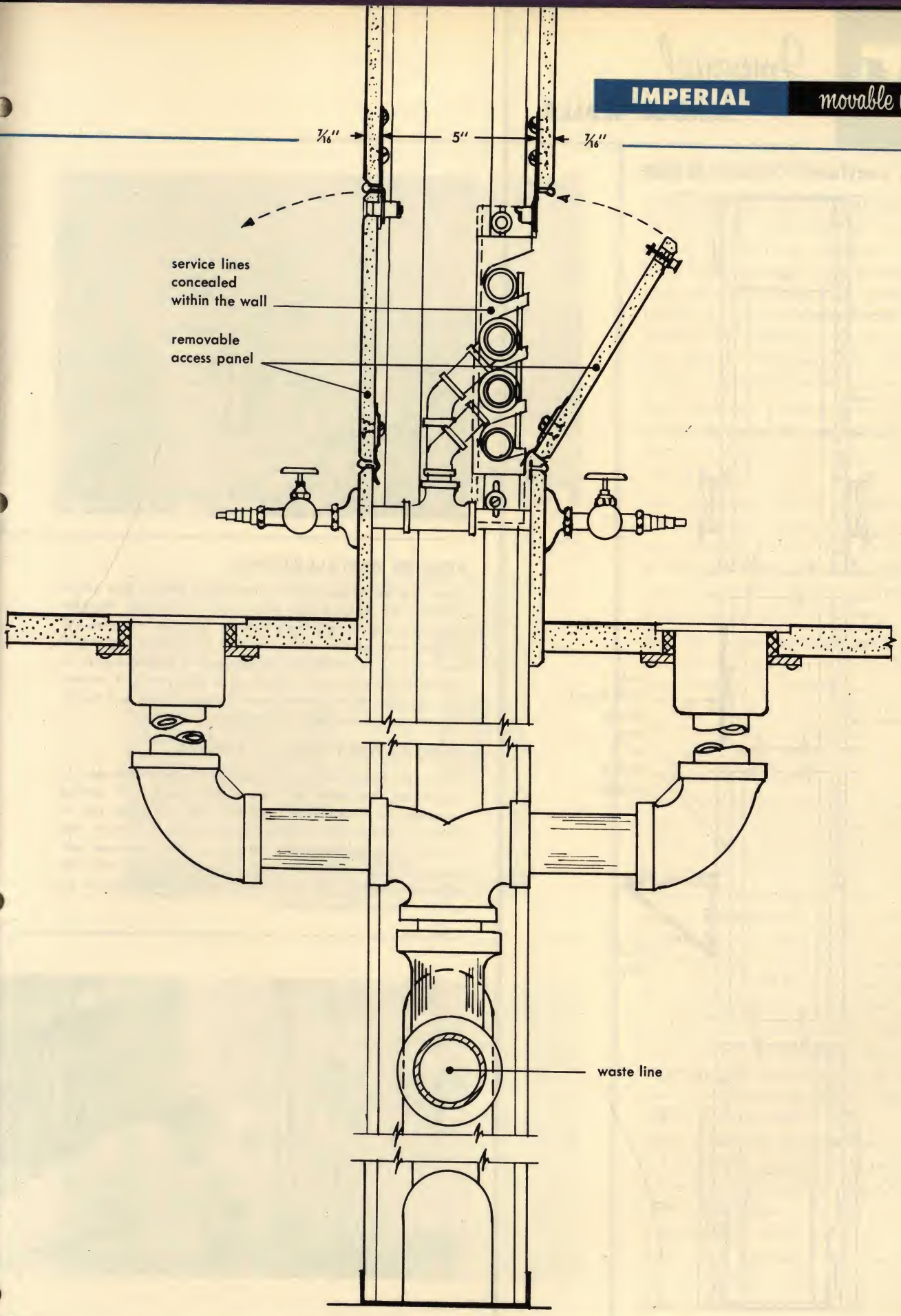
LABORATORY WALLS

scale: ¼ size

vertical sections



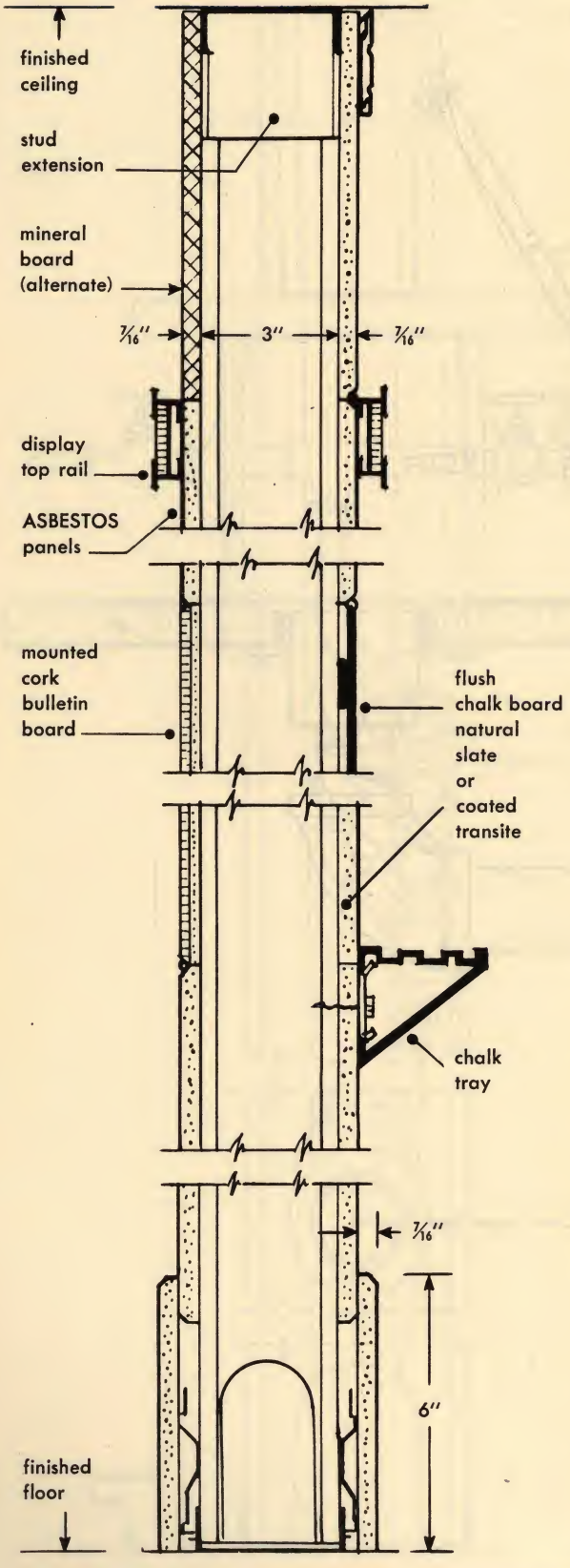



7/16"
5"
7/16"
service lines concealed within the wall
removable access panel
waste line

JOHNS-MANVILLE JM PRODUCTS

Imperial SCHOOL WALLS

vertical section scale: ¼ size

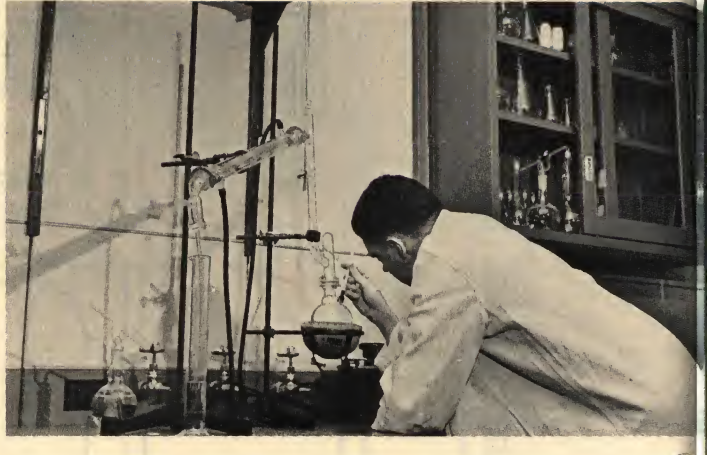


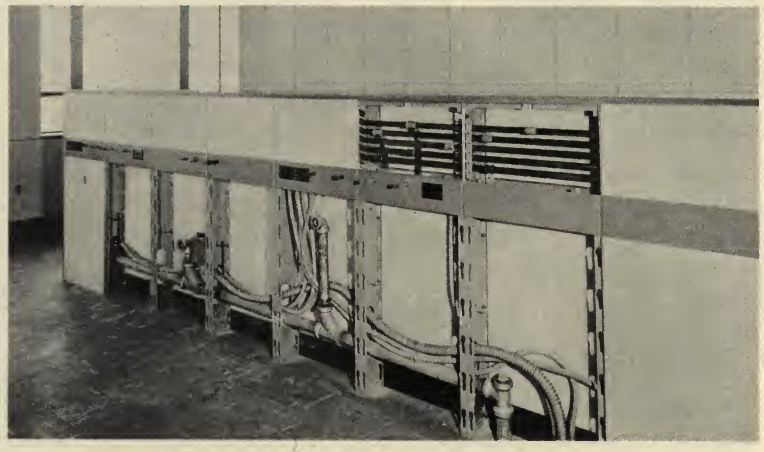
SCHOOL INSTALLATIONS

Above and Right—These three photographs indicate how school architects are utilizing the adaptability of Imperial Movable Walls. Not only can the entire wall be relocated with ease but the component panels of the wall can be changed with equal ease. Thus, chalk boards can be replaced by bulletin boards or vice versa and either can be replaced by solid panels, if desired. Also, as shown by the picture directly above, closets and similar requirements can be built into the movable partition.

LABORATORY INSTALLATIONS

Below—The first of these two illustrations shows a laboratory in use. Notice how neatly the hangers for cabinets and working equipment are incorporated into the wall and these can be changed without difficulty when new projects necessitate new devices. The second illustration shows lower panels removed and gives a good view of service lines running within the wall. The quick accessibility of these lines is a decided advantage for repairs or altering these facilities.





SPECIFICATIONS

General: Johns-Manville IMPERIAL ASBESTOS MOVABLE WALLS shall be supplied and erected as shown on drawings. All necessary items such as grounds, framing members, panels, base, doors, hardware and trim shall be included. Details and erection methods shall conform to manufacturer's standards. Units of same dimension shall be interchangeable. The most economical panel arrangement shall be used.

Shop Drawings showing layout, typical elevations and any special conditions shall be submitted in duplicate for approval before proceeding with the work.

Door Hardware shall be manufacturer's standard. (State lock function—i.e., cylinder, latch, etc.) Finish of locksets shall be natural bronze or anodized aluminum. Each door shall have 1½ pair 4½″ x 4″ flat button tip butts (state finish) and one standard doorstop.

Top Fillers shall be flush panel construction, the same as lower portion of the wall. (Alternate: Shall be ⅜″ mineral board on both sides of steel studs and shall extend from the 7′-6″ line to the finished ceiling. State if tops are to be spackled, taped and painted by the partition contractor or by others.)

Glass and Glazing: (State if by partition contractor or by others.) Glass shall be (state design, quality, thickness) bedded in putty and back puttied. Color compound to match trim.

Finish: (Imperial Marinite Walls) Shall be applied at the factory. On panels it shall be a textured stipple; on base, black; on doors, bucks and mouldings, it shall be a harmonizing solid color. Colors shall be J-M partition standards as selected by architect. (Alternate: Walls shall be field painted in accordance with partition manufacturer's specifications. State if painting of partition and top filler is to be done by partition contractor or by others.) Colors shall be selected by the architect.

Finish: (Imperial Transite Walls) Walls shall be field painted as outlined in partition manufacturer's painting specifications. Colors shall be selected by architect.

Workmanship: Walls shall be straight and plumb, with horizontal lines level. Hardware shall be carefully adjusted. The finished walls shall be strong, rigid, neat in appearance and free from defects.

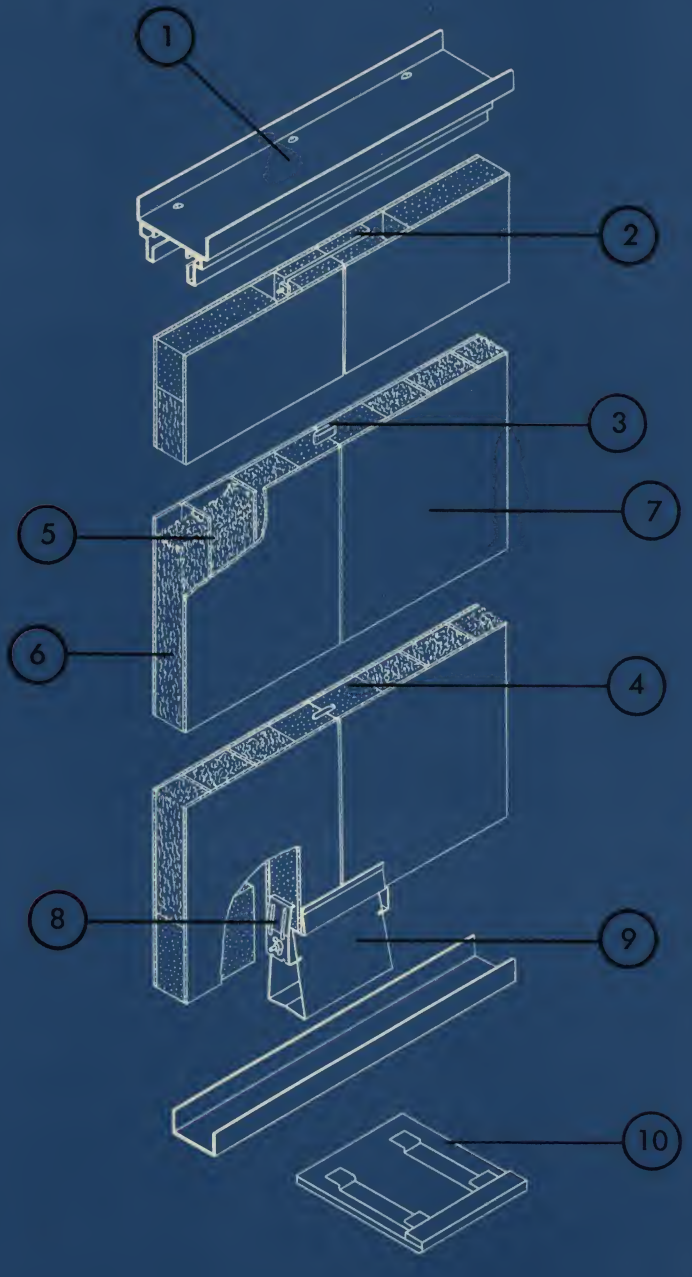
Johns-Manville

Class A

These are moderately priced walls. They are made up of factory-fabricated panels which are erected independently and are completely interchangeable with panels of the same dimension. All of the materials that go into the panels are non-combustible. The overall panel thickness is 1¾" and the weight is approximately 5 lbs per sq ft.

In this building, Class A Movable Wall panels are combined with filler panels of glass to create a spacious but permanent interior.

CLASS A WALL ASSEMBLY



FEATURES

1—Top stiffening rail—This cornice assembly slips down over each side of the panel providing a trim finish for a free standing partition. However, if desired, the open space from cornice to ceiling can be filled with a section of Class "A" panel, with an asbestos board filler or with glass.

2—Top locking of panels—The panel tops are locked together by carriage bolts. These slip into slots in the top corners of the panels.

3—Splines—The panels are aligned and held together by metal splines 5/16" thick by ¾" wide. These fit into grooves rabbeted into the stiles on each side of a panel.

4—Rails and stiles—These are made of Marinite, a structurally strong but light weight asbestos material developed by Johns-Manville. This fireproof framework is 1½" thick by 2" wide.

5—Reinforcing strips—These are of Asbestos Flexboard, a fireproof asbestos-cement material. The strips are ⅛" thick and run parallel to the long dimension of the panels. The strips are spaced approximately 4" on center.

6—Insulating core—The areas between reinforcing strips are packed solidly with Spintex Insulation, a dense mineral wool material.

7—Facings—On both sides are sheets of Asbestos Flexboard, ⅛" thick. The sheets are beveled along the edges to provide a neat but inconspicuous "V" joint between panels.

Bonding together of elements—Stiles, rails, reinforcing strips, insulating core and asbestos facings are all bonded together under pressure by a moisture resistant adhesive. This results in panels which are strong and rigid yet light in weight.

8—Bottom locking of panels—Through slots at the bottom corners, similar to those at the top, the panels are locked together by clamps and carriage bolts.

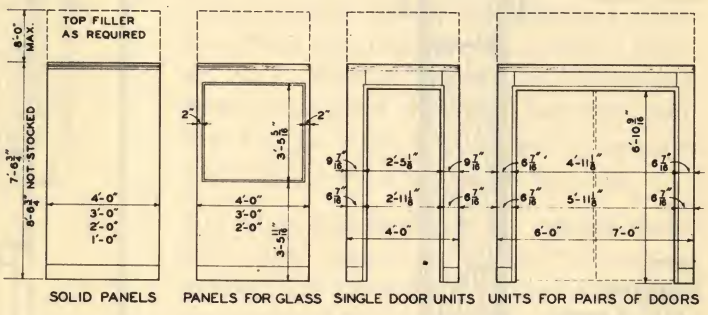
9—Floor supports—A metal support holds the panels 4" off the floor and the spring action of the support secures the panels firmly. The supports fit into a metal channel which is mechanically fastened to the floor.

10—Finish base—An asbestos-cement "clip-on" base 6" high covers the floor channel, metal support and panel bottom.

Factory-applied finish—This is a stippled paint finish that provides a durable film many times thicker than the usual partition finish. It is scratch resistant, rejects stain and soil, can be washed or scrubbed and, if damaged, can be touched up to look like new. The stock color is a soft green. However, a wide range of other colors are available on order.

Field-applied finishes—Class "A" panels also are available in the natural light gray of asbestos-cement materials. These panels can be painted or veneered in any number of ways to meet any architectural requirement.

Panel types and sizes—(others available on order)



Ends, tees and ells—At wall ends and at tees, the panels fit into vertical metal channels. At ells, the panels forming the corner are covered by snap-on metal moldings.

Thru posts—For long wall runs, a floor to ceiling thru post or stiffener should be used every 16′ to 20′.

Top fillers—The space between the top stiffening rail and the ceiling can be filled with glass, with a section of Class "A" panel (pre-fabricated or cut on the job) or with asbestos-cement board.

Wiring—Electrical lines and similar utilities can be strung horizontally behind the removable base. Vertical wireways are provided in the door panels adjacent to each jamb.

Cutting and working on the job—Class "A" panels can be sawed, drilled or shaped in much the same way as wood. Thus, it is a simple matter to produce special sizes right on the job. This workability also makes it easy to build such things as bookcases and closets.

Doors and hardware—see pages 28-29.

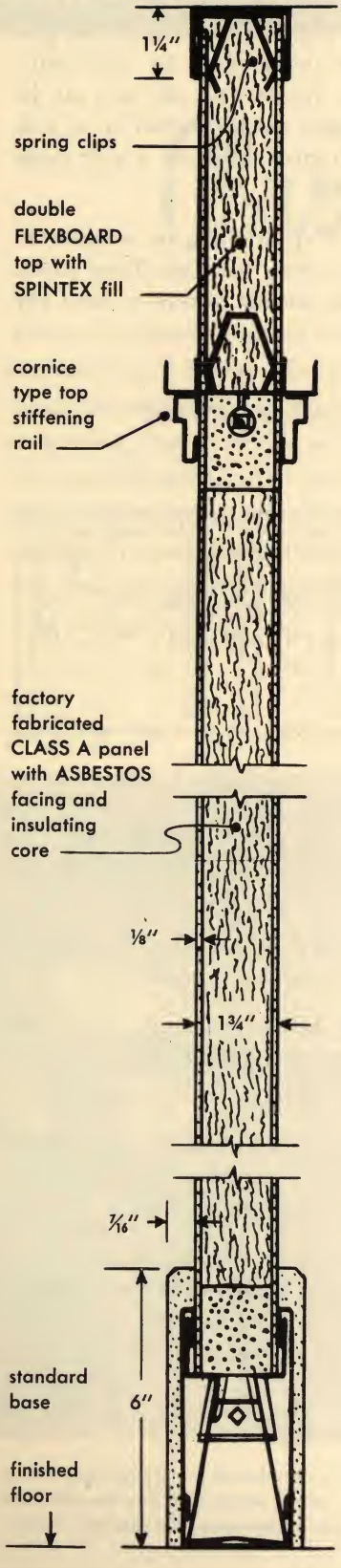
Railings—see pages 26-27.

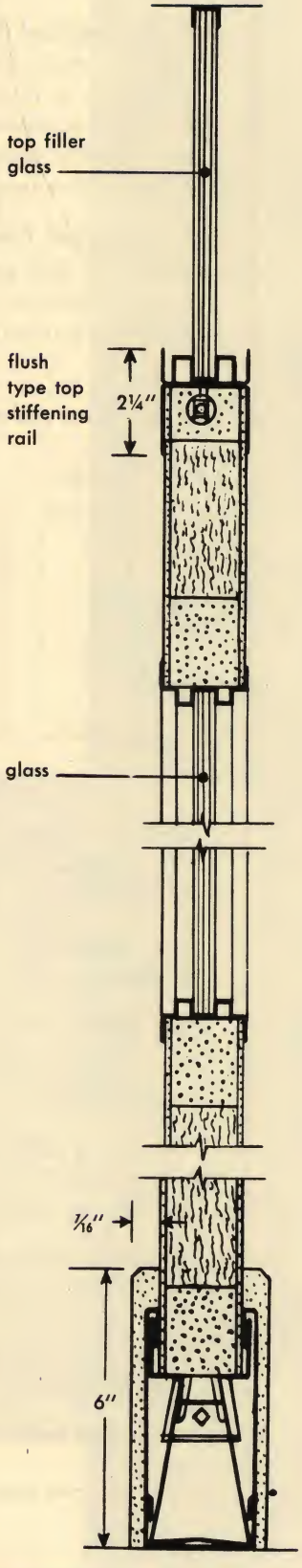
JOHNS-MANVILLE JM PRODUCTS

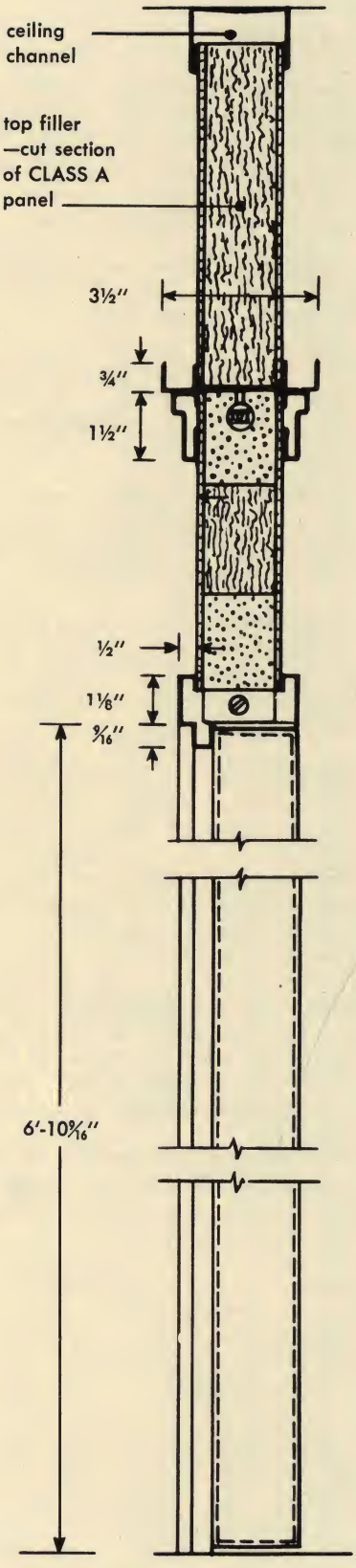
Class A

WALLS | scale: ¼ size

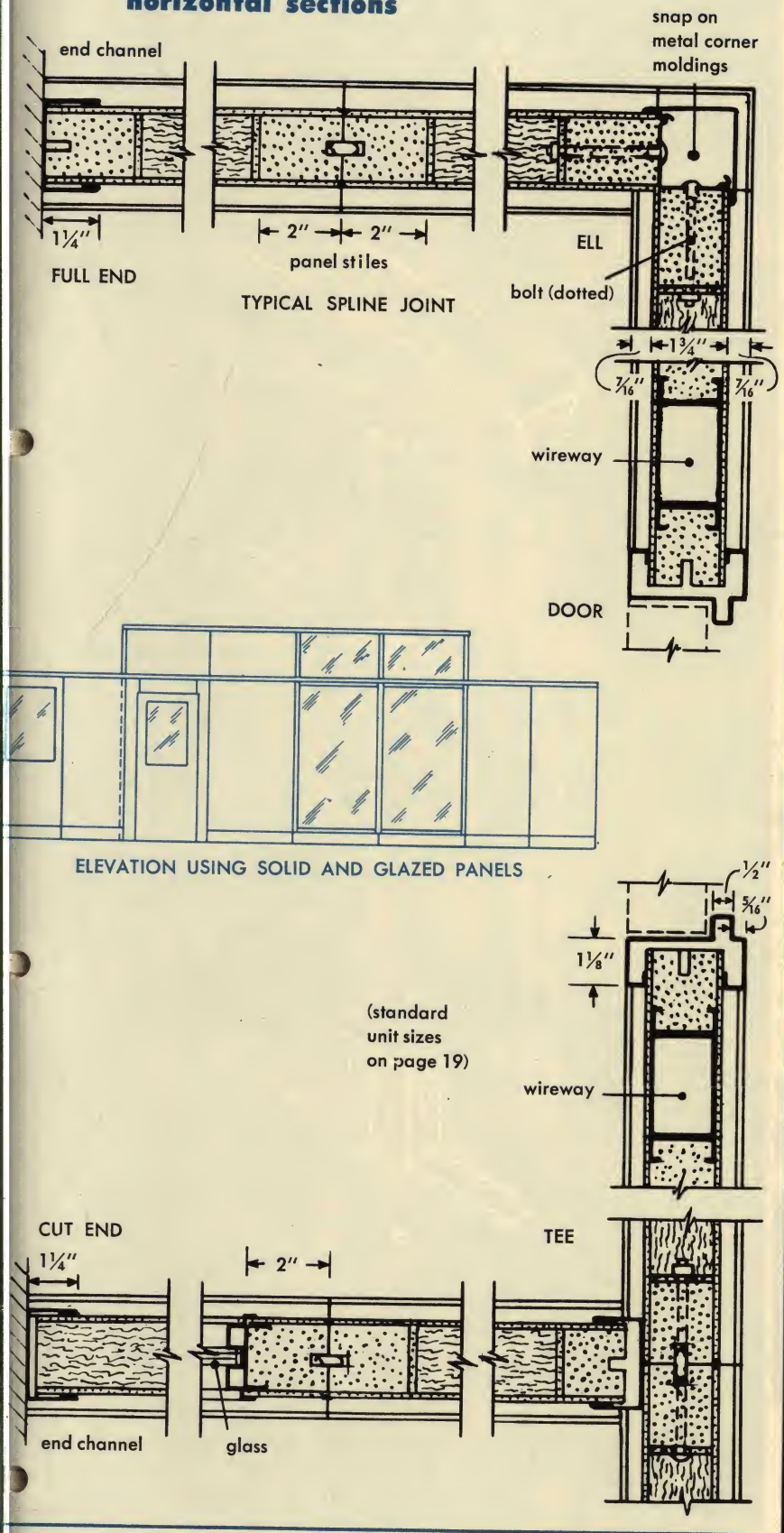
vertical sections







horizontal sections



ELEVATION USING SOLID AND GLAZED PANELS

(standard unit sizes on page 19)

SPECIFICATIONS

General: Johns-Manville CLASS A ASBESTOS MOVABLE WALLS shall be supplied and erected complete as shown on drawings. All necessary items such as grounds, panels, base, doors, hardware and trim shall be included. Details and erection methods shall conform to manufacturer's standards. Units of same dimension shall be interchangeable. The most economical panel arrangement shall be used.

Shop Drawings showing layout, typical elevations and any special conditions shall be submitted in duplicate for approval before proceeding with the work.

Door Hardware shall be manufacturer's standard. (State lock function—i.e., cylinder, latchset, etc.) Finish of locksets shall be natural bronze or anodized aluminum. Each door shall have 1½ pair 4½" x 4" flat button tip butts (state finish) and one standard door stop.

Top Fillers shall be double ⅛" asbestos board with edges retained in vertical "H" section molding. Top fillers shall be packed with Spintex mineral wool. (Alternate: Shall be ¼" mineral board on both sides of 1¼" x 1¾" wood studs 2'-0 on centers, secured to partition stiffening rail and to continuous ceiling runner. State if tops are to be spackled, taped and painted by partition contractor or by others.)

Glass and Glazing: (State if by partition contractor or by others.) Glass shall be (state design, quality and thickness) bedded in putty and back puttied. Compound shall be colored to match trim.

Finish shall be applied at the factory. On panels and base it shall be a textured stipple and on bucks, doors, light frames and stiffening rail a harmonizing solid color. Colors shall be J-M partition standards selected by architect. (Alternate: Walls shall be field painted in accordance with partition manufacturer's standard specifications. State if painting of partition and top fillers to be done by partition contractor or by others. Colors shall be as selected by architect.)

Workmanship: Walls shall be straight and plumb, with horizontal lines level. Hardware shall be carefully adjusted. The finished walls shall be strong, rigid, neat in appearance and free from defects.

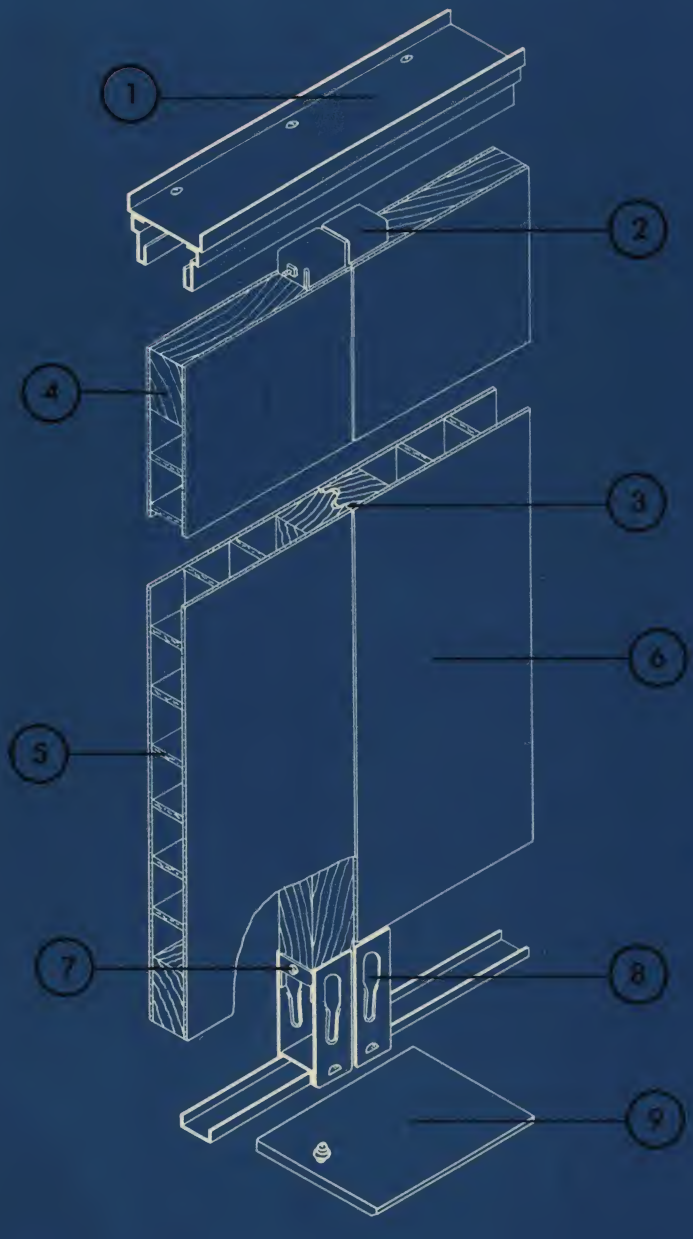
Johns-Manville

Universal

These economically priced walls are of simplified construction. They are one of the easiest of movable partitions to erect or relocate. The panels are erected independently and are interchangeable with panels of the same dimension. The asbestos facings make them highly fire resistant. The overall panel thickness is 1¾" thick and the weight is approximately 4 lbs per sq ft.

The relatively thin but extremely sturdy Universal Movable Wall panels are ideal for a partition that is carried to a window wall.

UNIVERSAL WALL ASSEMBLY



FEATURES

1—Top stiffening rail—This cornice assembly slips down over each side of the panel providing a trim finish for a free standing partition. However, if desired, the open space from cornice to ceiling can be filled with a section of Universal panel, with an asbestos board filler or with glass.

2—Top locking of panels—Panel tops are locked together by carriage bolts inserted through the top of the stiles which extend 1" above the top rails.

3—"S" joints—Universal panels are aligned and held together by an "S" milled into the stiles.

4—Rails and stiles—These framing members are made of hardwood 1½" thick by 2" wide. Also, there is a cross rail of wood, 1½" by 2½", at the center of the panel.

5—Reinforcing strips—The spaces between stiles and rails are filled with interlocking horizontal and vertical strips. These are closely spaced and the strips are of ½" Johns-Manville Insulating Board, a wood fiber material.

6—Facings—Both sides are faced with sheets of Asbestos Flexboard, ⅛" thick. These fireproof sheets are beveled along the edges to provide a "V" joint between panels.

Bonding together of elements—Stiles, rails, core and asbestos facings are bonded together under pressure by a moisture resistant adhesive.

7—Bottom locking of panels—Panel bottoms are locked together by carriage bolts inserted through the bottom of the stiles which extend 1" below the bottom rails and rest in the floor supports.

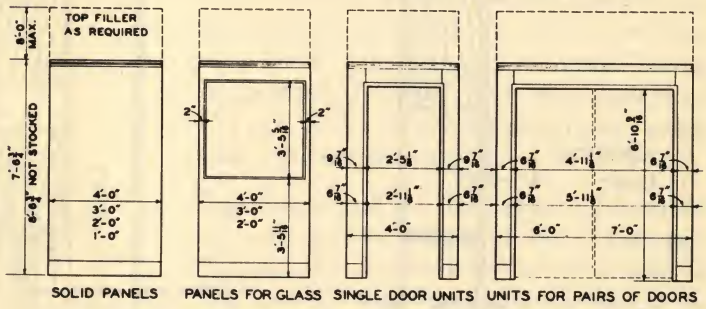
8—Floor supports—A metal support holds the panels 4" off the floor. They fit over a channel fastened to the floor.

9—Finish base—An asbestos-cement "clip-on" base 6" high covers the floor channel, metal floor support and panel bottom.

Factory-applied finish—The stock color is a soft green. This is a stippled paint finish that provides a tough, hard, durable film many times thicker than the usual partition finish. It is mar and scratch resistant, rejects stain and soil, can be washed or scrubbed and, if damaged, can be touched up inexpensively to look like new. In addition to the light green, a wide range of other stippled colors are available on order.

Field-applied finishes—Universal panels are available in the natural light gray of asbestos-cement for use without further treatment or, to meet architectural requirements, they can be decorated by painting or veneering in any number of ways.

Panel types and sizes— (others available on order)



Ends, tees and ells—At wall ends and at tees, the panels fit into vertical metal channels. At ells, the panels forming the corners fit into a hardwood post having an "S" milled into two sides.

Thru posts—For long wall runs, a floor to ceiling thru post or stiffener should be used every 16′ to 20′.

Top fillers—The space between the top stiffening rail and the ceiling can be filled with glass, with a section of Universal panel, with a section of Class "A" panel (pre-fabricated or cut on the job) or with asbestos-cement board.

Wiring—Electrical lines and similar utilities can be strung horizontally behind the removable base. Vertical wireways are provided in the door panels adjacent to each jamb.

Cutting and working on the job—Universal panels can be sawed, drilled or shaped in much the same way as wood. Thus, it is a simple matter to produce special sizes right on the job. This workability also makes it easy to build such things as bookcases and closets.

Doors and hardware—see pages 28-29.

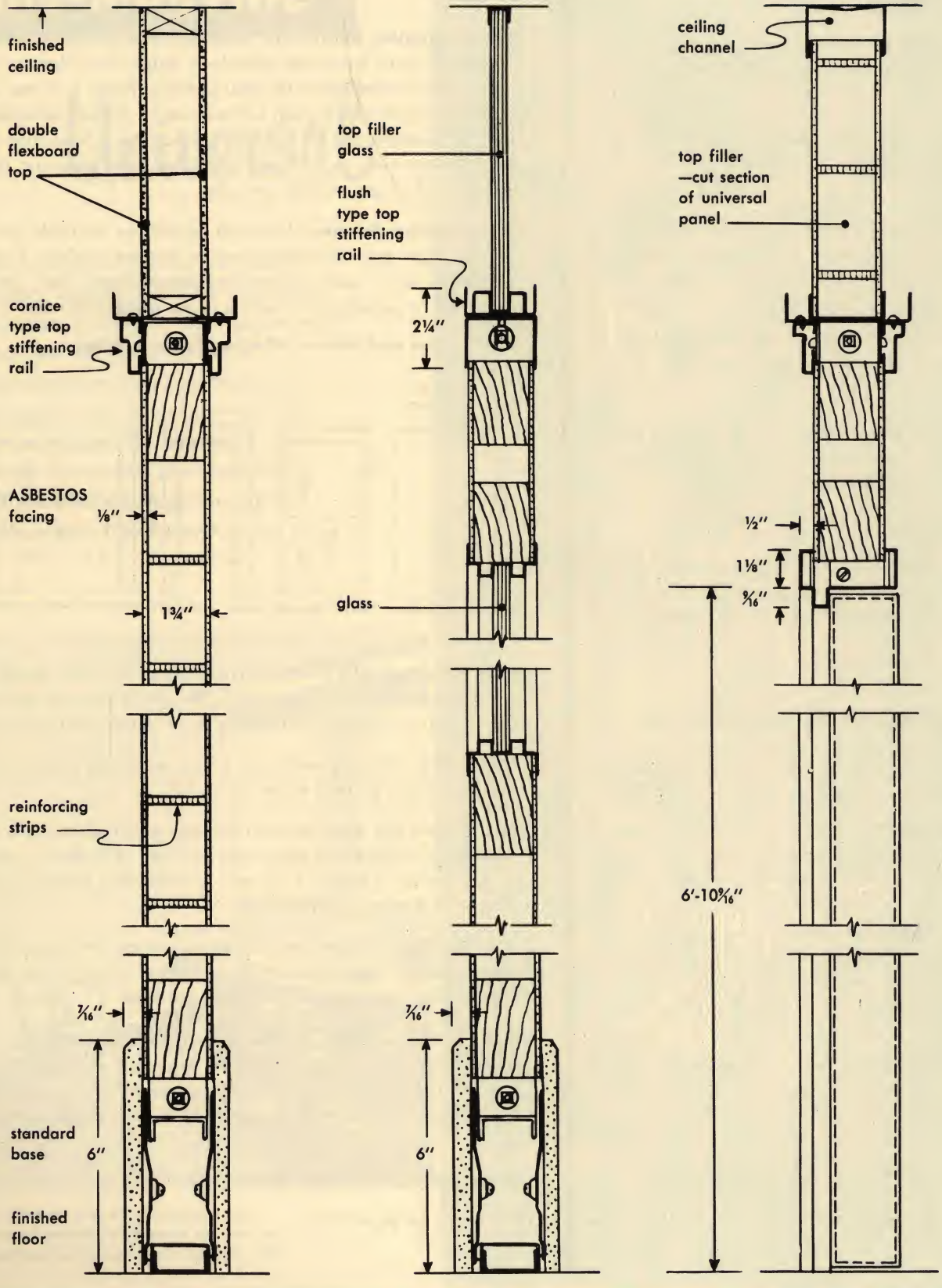
Railings—see pages 26-27.

JOHNS-MANVILLE JM PRODUCTS

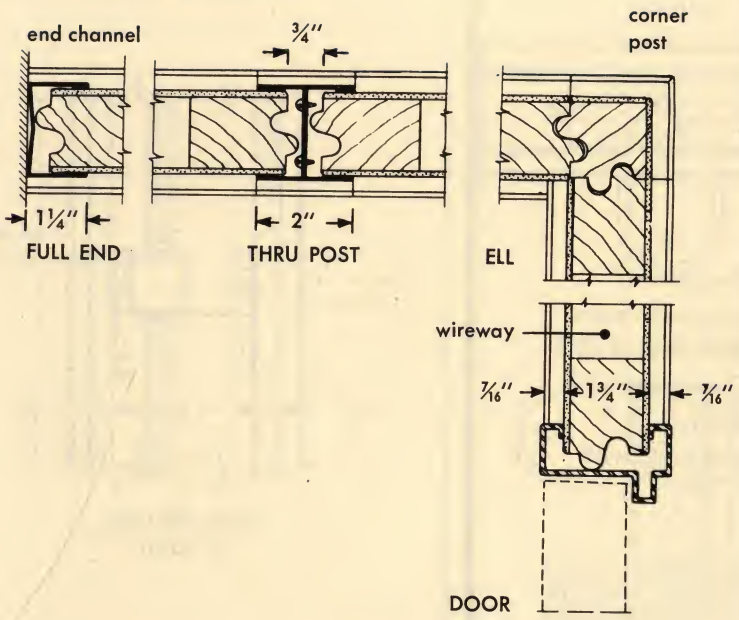
Universal

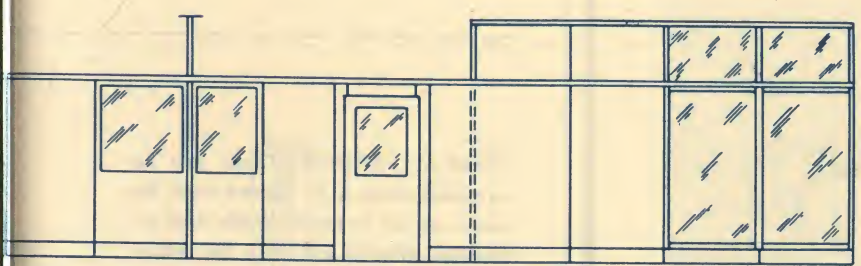
WALLS | scale: ¼ size

vertical sections

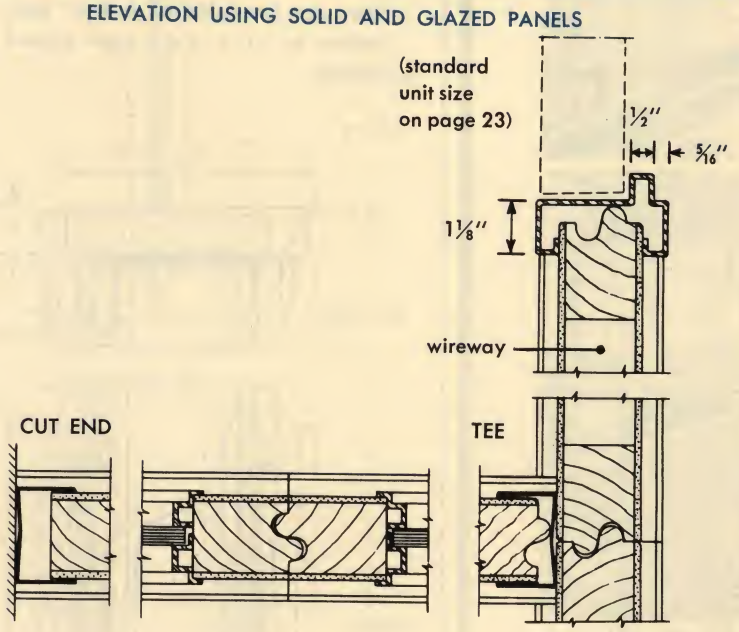


horizontal sections





ELEVATION USING SOLID AND GLAZED PANELS



SPECIFICATIONS

General: Johns-Manville UNIVERSAL ASBESTOS MOVABLE WALLS shall be supplied and erected complete as shown on drawings. All necessary items such as grounds, panels, base, doors, hardware and trim shall be included. Details and erection methods shall conform to manufacturer's standards. Units of same dimension shall be interchangeable. The most economical panel arrangement shall be used.

Shop Drawings showing layout, typical elevations and any special conditions shall be submitted in duplicate for approval before proceeding with the work.

Door Hardware shall be manufacturer's standard. (State lock function—i.e., cylinder, latchset, etc.) Finish of locksets shall be natural bronze or anodized aluminum. Each door shall have 1½ pair 4½" x 4" flat button tip butts (state finish) and one door stop.

Top Fillers shall be flush panel construction, the same as lower portion of wall. (Alternate: Shall be ¼" mineral board on both sides of 1¼" x 1¾" wood studs 2'-0 on centers, secured to partition stiffening rail and to continuous ceiling runner. State if tops are to be spackled, taped and painted by partition contractor or by others.)

Glass and Glazing: (State if by partition contractor or by others.) Glass shall be (state design, quality and thickness) bedded in putty and back puttied. Compound shall be colored to match trim.

Finish shall be applied at the factory. On panels and base it shall be a textured stipple and on bucks, doors, light frames and stiffening rail a harmonizing solid color. Colors shall be J-M partition standards selected by architect. (Alternate: Walls shall be field painted in accordance with partition manufacturer's standard specifications. State if painting of partition and top fillers to be done by partition contractor or by others. Colors shall be as selected by architect.)

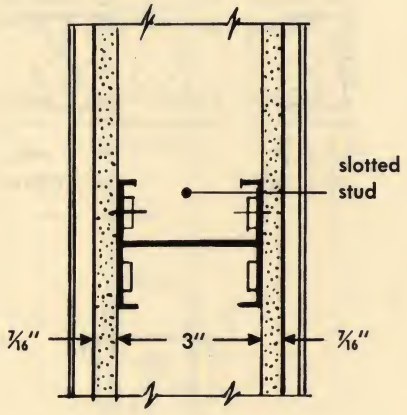
Workmanship: Walls shall be straight and plumb, with horizontal lines level. Hardware shall be carefully adjusted. The finished walls shall be strong, rigid, neat in appearance and free from defects.

Johns-Manville

Railings

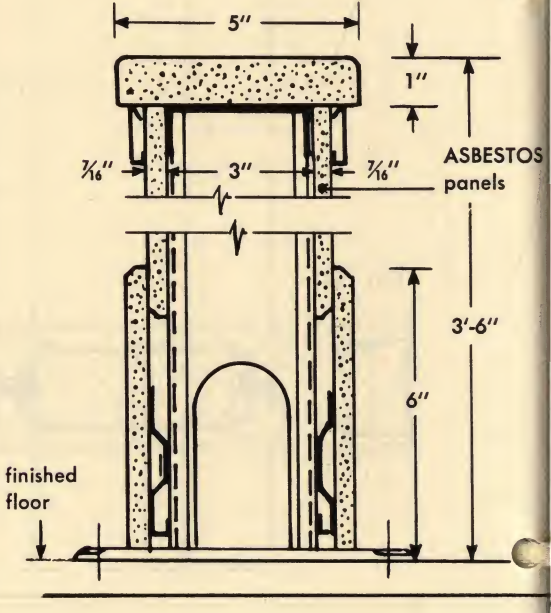
Johns-Manville Movable Railings, like the movable walls, are made up of interchangeable parts which can be erected, dismantled and re-located with the complete salvage of materials. Two types of railings are available—the Imperial and the Universal. Either type can be employed with any of the J-M Movable Walls.

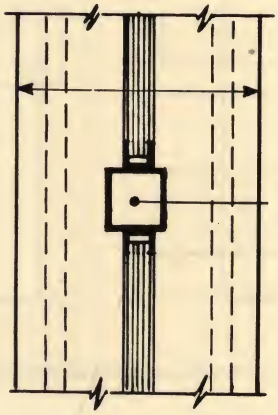
Glazed railings with clear glass, glazed railings with frosted glass for greater privacy and a railing for simple separation are illustrated by the three pictures above. These can be utilized in many ways and in combination with many types of walls and partitions to satisfy the need for sub-dividing working areas.



SOLID SECTION
AT JOINT

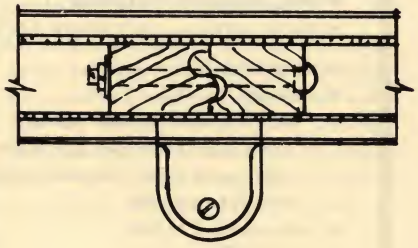
IMPERIAL RAILINGS: These are assembled using a 3" slotted stud, the same as for Imperial Walls and the finishes offered are also the same. They are available as a 3'-6" high railing or as a 5'-6" high glazed railing.



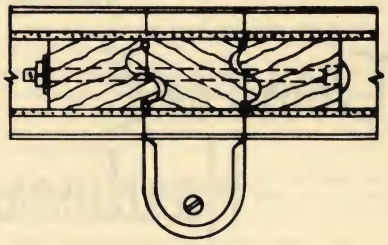


GLAZED SECTION

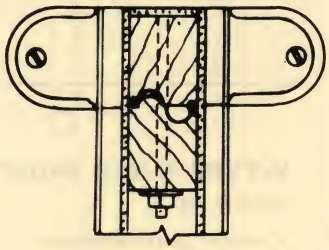
SECTION THROUGH RAILING



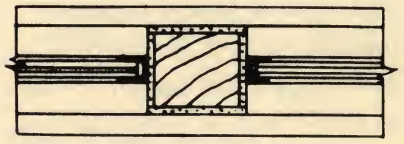
LOWER SECTION GLAZED RAILING

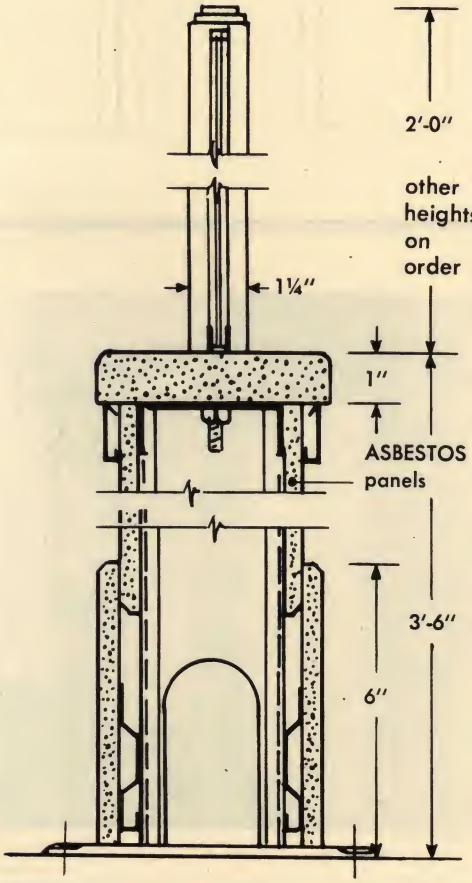


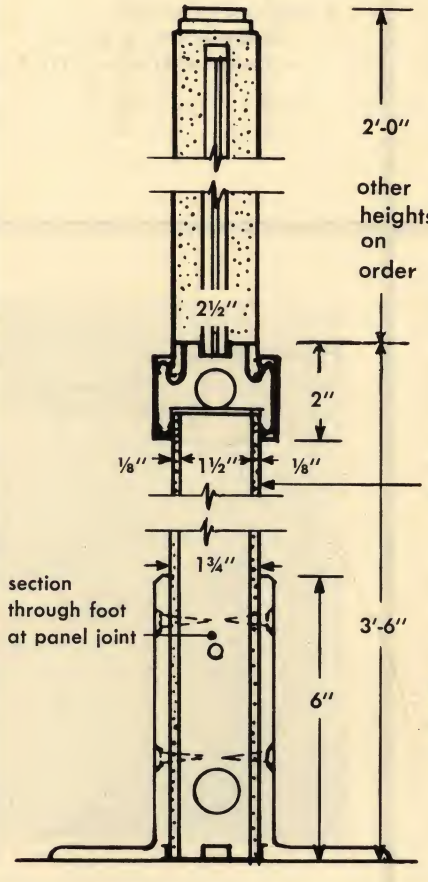
TYPICAL END SECTION



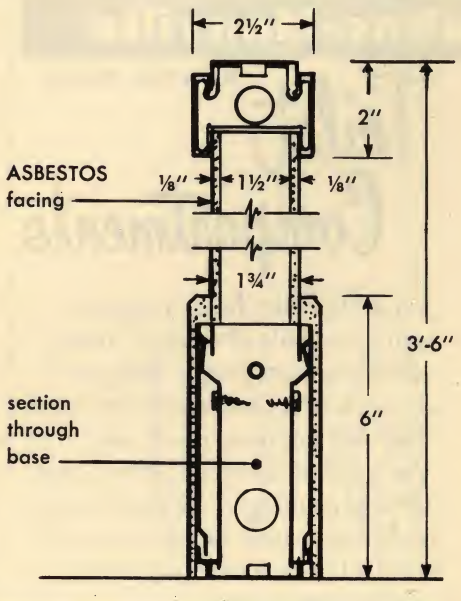
UPPER SECTION GLAZED RAILING







UNIVERSAL RAILINGS: These are 1¾" thick, the same as Universal Walls and Class A walls. The finishes offered also are the same as for the walls. They are available as a 3'-6" high railing or as a 5'-6" high glazed railing.



Johns-Manville

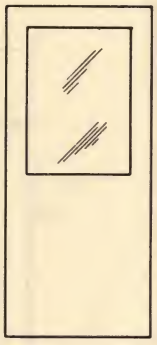
Doors and Hardware

Both full flush doors and V-type flush doors are used with either Imperial, Class A or Universal Movable Walls. They can be solid or glazed; with or without louvers. They are furnished with a baked enamel finish or with a prime finish for decorating on the job. Also, J-M Movable Walls are so adaptable that any other type of door can be installed successfully.

FULL FLUSH DOORS

HOLLOW METAL or FLEXBOARD FACED

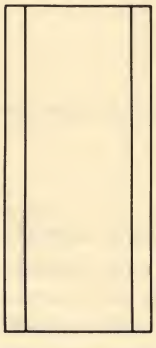
- solid or glazed as shown
- louvers
  - —hollow metal doors available with either punched or tent type louvers
  - —flexboard faced doors available with slat type grille
- jamb opening height
  - —6′-10$\frac{9}{16}$″
- jamb opening width
  - —single—2′-5⅛″ or 2′-11⅛″
  - —double—4′-11⅛″ or 5′-11⅛″

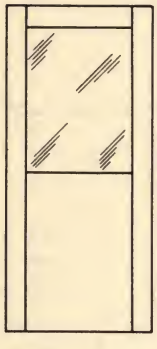


V-TYPE FLUSH DOORS

HOLLOW METAL

- solid or glazed as shown
- louvers
  - —available with either punched or tent type louvers
- jamb opening height
  - —6′-10$\frac{9}{16}$″
- jamb opening width
  - —single—2′-5⅛″ or 2′-11⅛″
  - —double—4′-11⅛″ or 5′-11⅛″





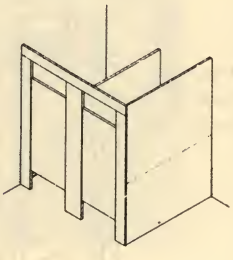
Johns-Manville

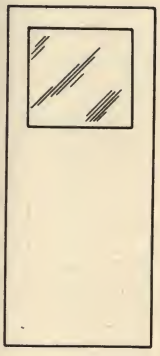
Toilet Compartments

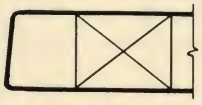
Johns-Manville Toilet Compartments are built of solid, 1″ thick, asbestos-cement panels. They are strong, sanitary and easy to maintain. They will not burn, rot or rust. The standard finish is a natural gray for field painting or the panels can be factory waxed. Modifications of standard designs are easily made to meet special needs.

HEAD RAIL

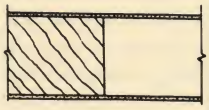
Head rail type compartments are exceptionally stable to withstand severe abuse.



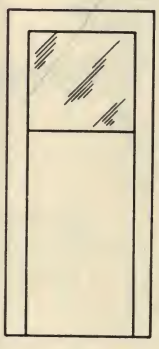




Hollow Metal



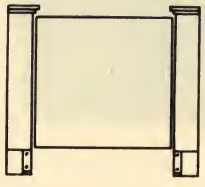
Flexboard Faced

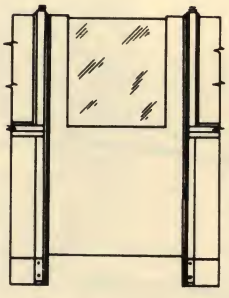


Hollow Metal

GATES FOR RAILINGS

For both the Imperial Railings and Universal Railings, Johns-Manville furnishes low gates and high gates (for glazed railings) as indicated above. The nominal width is 3'-0". The gates are of wood with either a painted or stained finish. Also, hollow metal gates are available.





STANDARD HARDWARE
Locksets

9310 Latch Set operates by knob either side. No locking device.

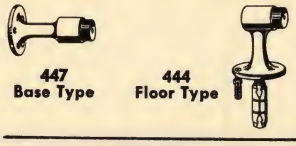
9346 Cylinder Lock operates by knob from inside and key from outside at all times. Push button on inside deadlocks outside knob. Turning inside knob releases push button. Deadlocking latch.

9326 Single Communicating operates by knob either side. Turn button locks or unlocks outside knob. Deadlocking latch.

9328 Double Communicating same as above except turn button in each knob locks or unlocks opposite knob.

9310 9346 9326

Door Stops Cast bronze



447 Base Type

444 Floor Type

Door closers

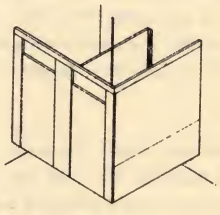
B-1 and C-1 Series—with or without hold-open feature. Closers are surface applied to door and frame. Can be used with all stock doors and stock frames.

3000 Series—with or without hold-open feature. Closer is concealed in the door. The arm is surface applied to the frame. Closer can be used with all stock door frames but requires non-stock doors.

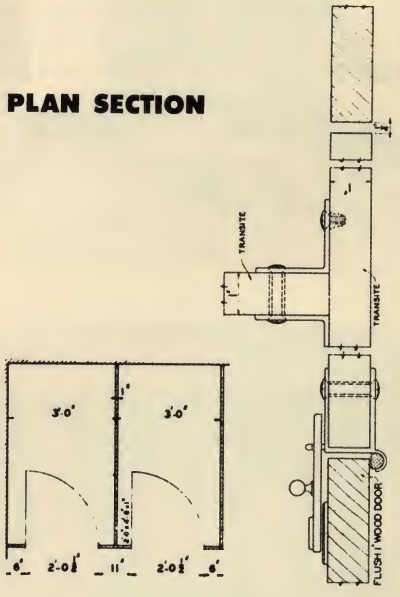
Other types of door closers require non-stock door frames as well as non-stock doors.

SUSPENDED

Suspended type compartments provide an open floor area for easier cleaning.



PLAN SECTION



JOHNS-MANVILLE
JM
PRODUCTS

other interiors

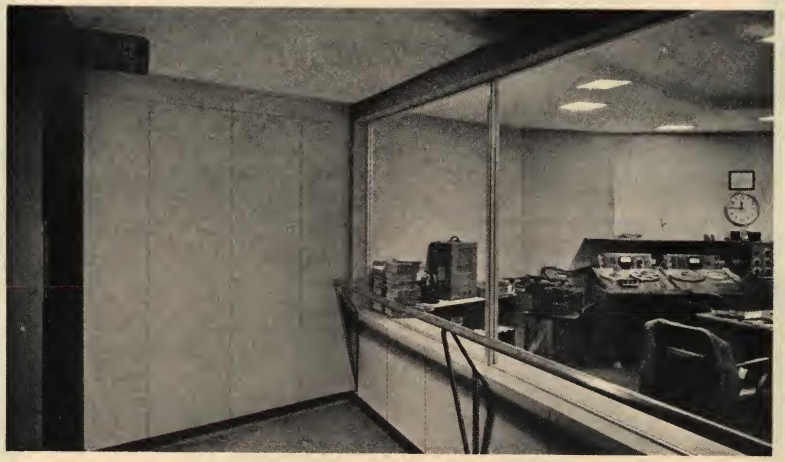
These pictures further illustrate the versatility of Imperial, Class A and Universal Movable Walls. They are at home in most any type of building, fit the unusual lay-out as well as the straight wall plan; can be simple in appearance or decorated luxuriously; and, can be counted on to give years of service.

Top Left—The pass-through opening shown here was fashioned right on the job by the mechanics who erected the Class A Movable Walls in this office. Easy workability of this sort is a characteristic of all Johns-Manville Movable Walls. Standard panels can be quickly and accurately cut using the regular tools of the trade.

Bottom Left—Universal Movable Walls, the most economical of the Johns-Manville line, can be given a highly expensive appearance by veneering the panels with wood as was done for this interior. Such individualized treatment is a unique advantage of asbestos walls. They are amenable to almost any type of decoration.

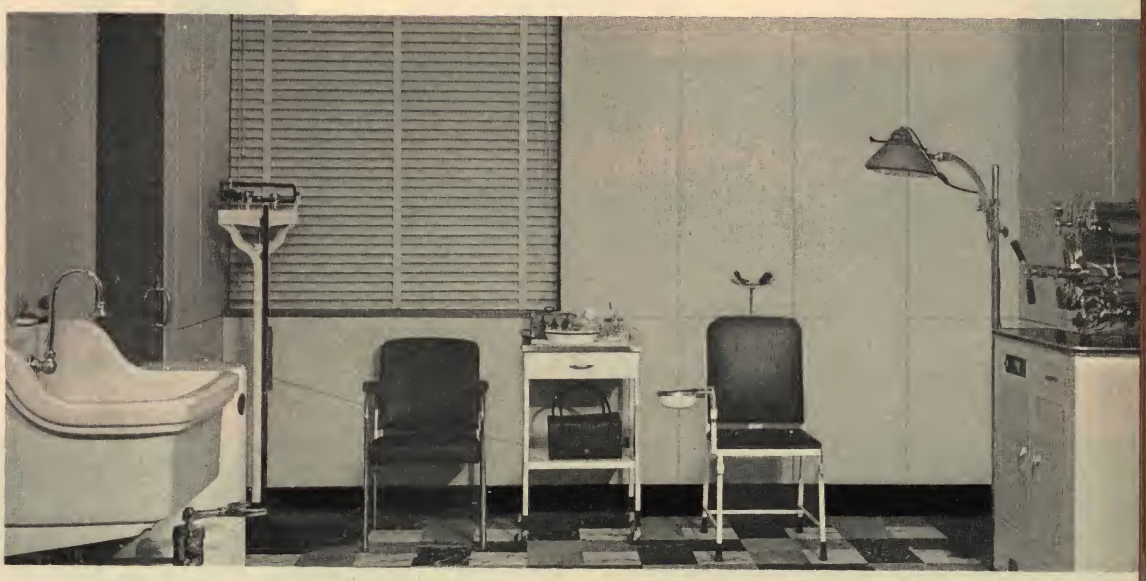
Left—The splayed walls of this recording studio were built with Imperial Movable Walls because the components allow latitude of assembly. Thus, the designer was able to compose an interior which met both the engineering and esthetic requirements of this special situation.

Right—This view was taken in a broadcasting station where Imperial Movable Walls were used extensively. Of interest in this case, was the opportunity to make the walls effective sound barriers by packing the space between face panels with sound absorbing mineral wool pads.



Left—This office is typical of thousands of business interiors where Class A Movable Walls can be used to provide sturdy, non-combustible, moderately priced partitioning that can be shifted with minimum bother when new arrangements are needed.

Below—As seen in this picture, Johns-Manville movable walls are "healthy" walls for hospitals and for the suites of doctors, dentists or therapeutists. The flush surface of the walls simplifies maintenance of high sanitation standards.



J-M Sales Offices and District Sales Representatives

Atlanta 7, Ga.
Clise and Smith, Inc.
901 Bernina Ave. N.E.

Baltimore 2, Md.
Johns-Manville Sales Corp.
1312 Standard Oil Bldg.

Boston 16, Mass.
Johns-Manville Sales Corp.
100 Newbury St.

Buffalo 2, N. Y.
Johns-Manville Sales Corp.
220 Delaware Ave.

Charlotte, N. C.
Tomlinson Engineering Co.
1622 W. Morehead St.

Chicago 54, Ill.
Johns-Manville Sales Corp.
Merchandise Mart Plaza

Cincinnati 2, Ohio
Johns-Manville Sales Corp.
510 American Bldg.

Cleveland 15, Ohio
Johns-Manville Sales Corp.
3101 Euclid Bldg.

Columbus 12, Ohio
Johns-Manville Sales Corp.
1500 W. Third St.

Dallas, Texas
Schwarz Jordan, Inc.
P. O. Box 35502

Des Moines 9, Iowa
Johns-Manville Sales Corp.
800-810 W. Walnut St.

Detroit 2, Mich.
Johns-Manville Sales Corp.
W. Grand Blvd. at 2nd Ave.

Hartford 14, Conn.
Johns-Manville Sales Corp.
50 Vredendale Ave.

Houston 36, Texas
Schwarz Jordan, Inc.
Box 3067

Indianapolis 8, Ind.
Johns-Manville Sales Corp.
19 West 38th St.

Jacksonville, Fla.
Florida Acoustics, Inc.
5143 W. Beaver St.

Kansas City 8, Mo.
Johns-Manville Sales Corp.
2010 McGee St.

Los Angeles 5, Calif.
Johns-Manville Sales Corp.
611 S. Catalina St.

Milwaukee, Wisc.
Wisconsin Soft Tile
647 W. Virginia St.

Minneapolis 16, Minn.
Johns-Manville Sales Corp.
3100 W. Lake St.

Newark 2, N. J.
Johns-Manville Sales Corp.
868 Broad St.

New Orleans 19, La.
Johns-Manville Sales Corp.
2400 Canal St.

New York 16, N. Y.
Johns-Manville Sales Corp.
270 Madison Ave.

Philadelphia 6, Pa.
Johns-Manville Sales Corp.
The Mall Bldg.

Pittsburgh 19, Pa.
Johns-Manville Sales Corp.
2228 Koppers Bldg.

Richmond 21, Va.
Johns-Manville Sales Corp.
200 Seay Bldg.

Rochester 4, N. Y.
Johns-Manville Sales Corp.
154 East Ave.

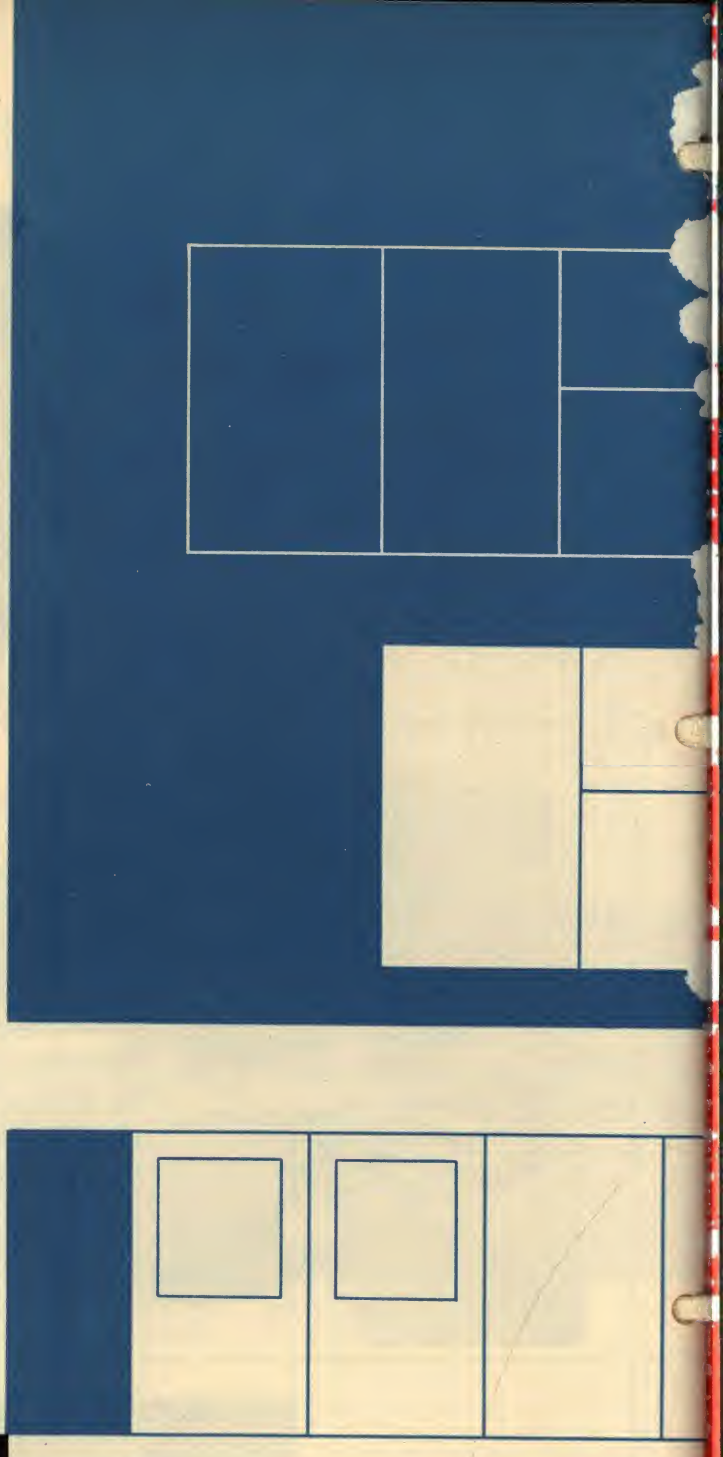
St. Louis 5, Mo.
Johns-Manville Sales Corp.
7912 Bonhomme Ave.,
Clayton

San Francisco 5, Calif.
Johns-Manville Sales Corp.
116 New Montgomery St.

Seattle, Wash.
The Brower Company
114 Virginia St.

E. Syracuse, N. Y.
The DeWald Company
103-115 Horton Pl.

Washington 5, D. C.
Johns-Manville Sales Corp.
15th and H Sts., N.W.



Johns-Manville

executive offices

22 EAST 40th STREET, NEW YORK 16, N. Y.

CANADIAN JOHNS-MANVILLE COMPANY, LTD.

Montreal • Ottawa • Toronto • Winnipeg • Vancouver

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